

APPROVED BY  
75TH WANO MOSCOW CENTRE  
GOVERNING BOARD MEETING

  
JAROSLAV HOLUBEC  
WANO MC GB CHAIRMAN

## WANO MOSCOW CENTER

### ACTION PLAN

**2019**

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**WANO MISSION IS** *TO MAXIMISE THE SAFETY AND RELIABILITY OF  
NUCLEAR POWER PLANTS WORLDWIDE BY WORKING TOGETHER TO ASSESS,  
BENCHMARK AND IMPROVE PERFORMANCE THROUGH MUTUAL SUPPORT,  
EXCHANGE OF INFORMATION, AND EMULATION OF BEST PRACTICES.*

## INTRODUCTION

### PURPOSE

THIS DOCUMENT IS INTENDED TO PLAN THE WANO MC ACTIVITIES IN THE YEAR 2019 WITH DUE CONSIDERATION OF KEY AREAS OF THE ACTIVITIES AND OF THE ENHANCED ROLE OF WANO, SUSTAINABLE DEVELOPMENT OF THE MC AFFILIATED COMPANIES AND INVOLVEMENT OF THE NEW ENTRANTS TO WANO.

THIS PLAN WAS PREPARED BY THE MC SECRETARIAT AND REVIEWED BY THE MC GB WORKING GROUP FOR PLANNING AS PER THE GOVERNANCE MODEL AND DECISION-MAKING PROCESS IN WANO MOSCOW CENTER IN ACCORDANCE WITH THE STRATEGY DEVELOPED BY THE MC STRATEGY GROUP.

THIS ACTION PLAN DEVELOPED ON THE BASIS OF THE LONG-TERM PLAN CONTAINS ACTIVITIES PLANNED WITH CONSIDERATION OF THE AVAILABLE RESOURCES AS OF THE RELATED FISCAL YEAR AS APPROVED BY THE WANO MC GOVERNING BOARD.

### BASIS OF PLAN

THE PLAN IS BASED UPON THE KEY AREAS OF ACTIVITIES AS DETERMINED BY THE FOLLOWING DOCUMENTS:

- COMPASS, WANO LONG-TERM PLAN FOR 2019-2024.
- WANO MC LONG-TERM PLAN FOR 2019-2024.
- POST FUKUSHIMA COMMISSION'S DECISIONS.
- WANO POLICIES 1 TO 10.
- WANO MC PROJECT R22 ON NEW UNITS ASSISTANCE AS OF R22-2016.
- STRATEGY FOR NEW MEMBERS. PROGRAMME GUIDELINE G16-2016.
- REGULATION ON WANO MOSCOW CENTER GOVERNANCE.
- WANO MC GOVERNANCE MODEL AND DECISION-MAKING PROCESS G17-2016.
- WANO AND WANO MC GUIDELINES FOR PROGRAMMES.
- REGULATION ON VVER, RBMK AND BN PLANT EMERGENCY RESPONSE CENTER.
- WANO EMERGENCY RESPONSE GUIDELINES.
- WANO PROGRAMME GUIDELINE WPG 15.
- WANO MC GB WORKING GROUP FOR PLANNING MEETING MINUTES AS OF 21 AUGUST 2018.
- WANO MC GB STRATEGY GROUP MEETING MINUTES AS OF 03 SEPTEMBER 2018.
- DRAFT MC SECRETARIAT AND PLANTS INTERFACES PLANS.

### **STRUCTURE AND CONTENTS OF PLAN**

THE PLAN SHOWS A RELATION BETWEEN THE WANO'S FOCUS AREAS OF ACTIVITIES AND THE WANO MC ACTIVITIES.

### **FOCUS AREAS OF ACTIVITIES**

THIS PLAN CONTAINS INFORMATION ON CURRENT STATUS OF AN AREA OF ACTIVITY OR AN EVENT.

## **1. FOCUS AREA OF ACTIVITY: SUPPORT THE STANDARDS OF HIGH PERFORMANCE OF THE WORLD'S EXISTING NUCLEAR FLEET.**

- **MONITOR AND PRIORITIZE THE SUPPORT TO THE PLANTS.**

MONITOR THE OPERATIONAL SAFETY PERFORMANCE TRENDS AT MC AFFILIATED PLANTS.

IDENTIFY PLANTS AND ORGANIZATIONS THAT NEED WANO SUPPORT.

PROVIDE SUPPORT TO THE PLANTS.

- ..Organize activities of the MC site representatives.

- **IMPLEMENT THE WANO PROGRAMMES:**

PEER REVIEW PROGRAMME:

A)REGULAR AND APPROPRIATE CONDUCT OF PEER REVIEWS;

B)HIGH QUALITY OF PEER REVIEWS;

C)CONDUCT OF INDEPENDENT EXTERNAL REVIEWS AT NEW UNITS;

D)CORPORATE PEER REVIEWS.

TRAINING AND DEVELOPMENT PROGRAMME.

- SUPPORT TO EMERGENCY RESPONSE

TECHNICAL SUPPORT AND TECHNICAL EXCHANGE PROGRAMME.

OPERATIONAL EXPERIENCE PROGRAMME.

GOOD PRACTICE AND WANO GUIDELINES.

COLLECTION AND DISSEMINATION OF INFORMATION ON PLANT PERFORMANCE INDICATORS DEVELOPED BY WANO.

DEVELOPMENT OF WORLD'S TARGETS TO ACHIEVE THE KEY INDICATORS IN PLANT NUCLEAR SAFETY PERFORMANCE.

## **2. FOCUS AREA OF ACTIVITY: BUILD AND MAINTAIN A HIGHLY TRAINED, PROFESSIONAL WORKFORCE IN WANO.**

ORGANIZE THE TRAINING SYSTEM AND TRAIN THE WANO PROFESSIONAL WORKFORCE.

INVOLVE THE NEW GENERATION TO WANO ACTIVITIES.

IMPLEMENT THE SAFETY CULTURE PRINCIPLES WITH NEW ENTRANTS.

SUPPORT THE HIGH PROFICIENCY OF WANO STAFF.

## **3. FOCUS AREA OF ACTIVITY: FORGE A MORE EFFECTIVE WANO.**

- CONSISTENTLY ELIMINATE GAPS DETECTED AS A RESULT OF WANO SELF-ASSESSMENT.
- CREATE A WANO SINGLE WORKTEAM.
- ASSESS EFFICIENCY OF WANO PROGRAMMES, AND ORGANIZE A FEEDBACK FROM WANO MEMBERS.
- TRAIN THE COMPANIES' KEY PERSONNEL IN LEADERSHIP.
- DEVELOP INTERACTIONS WITH LIKE-MINDED ORGANIZATIONS.
- IMPROVE EFFICIENCY OF LINKS BETWEEN THE REGIONAL GOVERNING BOARDS, AND ENSURE CONSISTENCY OF THE STRATEGIC DECISIONS.
- IMPROVE THE WANO STRUCTURE.



**4. FOCUS AREA OF ACTIVITY: INSTIL SUPERIOR STANDARDS AMONG NEW UNITS AND NEW INDUSTRY ENTRANTS, AND SUPPORT THEM WITHIN THE WHOLE PLANT LIFETIME PERIOD.**

- INVOLVE NEW COMPANIES AND COUNTRIES AT EARLY STAGES OF PLANT PLANNING AND CONSTRUCTION.
- DEVELOP COOPERATION WITH IAEA.
- EXTEND THE WANO DATABASE IN OPERATIONAL EXPERIENCE TO ALL PLANT LIFETIME.
- ANALYSE ENERGY POLICY, FINANCIAL AND GEOPOLITICAL CONDITIONS.
- ORGANIZE THE SUPPORT TO WANO MEMBERS THAT INTEND TO EXTEND THEIR NUCLEAR FLEET, UPGRADE AND/OR DECOMMISSION.
- ORGANIZE THE INTERFACES WITH THE COUNTRIES THAT INTEND TO JOIN THE NUCLEAR COMMUNITY.

**1. FOCUS AREA: SUPPORT THE STANDARDS OF HIGH PERFORMANCE OF THE WORLD'S EXISTING NUCLEAR FLEET.**

Targets:

1. Implement the WANO programmes.

## 1.1. MONITOR AND PRIORITIZE THE PLANT SUPPORT

### 1.1.1. MONITOR THE OPERATIONAL SAFETY PERFORMANCE TRENDS AT MC AFFILIATED PLANTS

#### TARGET:

- 1 WANO regional centers to monitor the operational safety performance of the members and to assist in improving the operations quality. The companies' performance is to be discussed at the regional governing board meetings as well as the WANO main governing board meeting.
- 2 The regional governing boards are responsible for monitoring the plant safety and providing the plants with necessary support.

No	ACTIVITIES	VENUE	TIMING
1.1.1.1	MONITOR THE PLANT OPERATIONAL SAFETY PERFORMANCE AND IDENTIFY THE PLANTS THAT NEED THE MC MEMBERS' SUPPORT THROUGH THE MC SITE REPRESENTATIVES	ON PLANT SITES AND AT CORPORATE	2019
1.1.1.1.1	MONITOR THE OPERATIONAL SAFETY PERFORMANCE AT KUDANKULAM (1 VISIT)	KUDANKULAM	2019
1.1.1.2	ORGANIZE MEETINGS OF MC REPRESENTATIVES WITH PARTICIPATION OF WANO MC PROGRAMME DIRECTORS IN ORDER TO DISCUSS MONITORING RESULTS AND ORGANIZE THE SUPPORT FROM WANO MC, NUMBER OF MEETINGS - 4	WANO MC PREMISES	QUARTERLY IN 2019
1.1.1.3	ISSUE, FOR EACH MC AFFILIATED PLANT, QUARTERLY REPORTS ON INTERFACES WHICH ARE TO REFLECT THE OPERATIONAL SAFETY PERFORMANCE AND WANO SUPPORT, NUMBER OF REPORTS - 4	ON PLANT SITES AND AT CORPORATE	QUARTERLY
1.1.1.4	ORGANIZE REGULAR MEETINGS OF MC REPRESENTATIVES WITH PLANT MANAGEMENT IN ORDER TO DISCUSS THE PLANT OPERATIONAL SAFETY PERFORMANCE MONITORING RESULTS, INTERFACES WITH WANO, AND DETECT THE PLANTS THAN NEED TO BE SUPPORTED	ON PLANT SITES	QUARTERLY, UPON COMPLETION OF REPORT
1.1.1.5	ORGANIZE VISITS OF THE WANO MC MANAGEMENT TO THE MEMBER PLANTS TO ASSESS THE PLANT STATUS AND TO ORGANIZE ACTIVITIES OF THE MC SITE REPRESENTATIVES, 4 VISITS	ON PLANT SITES AND AT CORPORATE	2019
1.1.1.6	CONDUCT THE WANO MC SITE REPRESENTATIVES' TOPICAL AND TARGET OBSERVATIONS IN HOT TOPICS.	ON PLANT SITES AND AT CORPORATE	DURING 2019

<b>No</b>	<b>ACTIVITIES</b>	<b>VENUE</b>	<b>TIMING</b>
1.1.1.7	PREPARE AND SUBMIT INFORMATION RELATING TO OPERATIONAL SAFETY, AND DISCUSS IT AT THE ELT MEETINGS, WANO MC DIRECTORS' CONFERENCES AND WANO MC PLANT TECHNICAL MANAGERS' (CHIEF ENGINEERS') CONFERENCES, ONCE PER YEAR	WANO MC PREMISES	AS PER SCHEDULE OF ELT MEETINGS, WANO MC DIRECTORS' CONFERENCES AND WANO MC PLANT TECHNICAL MANAGERS' (CHIEF ENGINEERS') CONFERENCES
1.1.1.8	PREPARE AND SUBMIT INFORMATION RELATING TO OPERATIONAL SAFETY, AND DISCUSS IT AT WANO GOVERNING BOARD MEETINGS	WANO MC PREMISES	AS PER SCHEDULE OF WANO GOVERNING BOARD MEETINGS
1.1.1.9	PREPARE AND SUBMIT INFORMATION RELATING TO OPERATIONAL SAFETY, AND DISCUSS IT AT WANO REGIONAL EXECUTIVE LEADERSHIP MEETINGS (ELT)	WANO MC PREMISES	AS PER SCHEDULE OF WANO REGIONAL EXECUTIVE LEADERSHIP MEETINGS (ELT)
1.1.1.10	DEVELOP, AT PLANT SITES, A CASE FILE FOR EACH PLANT TO REFLECT WANO ACTIVITIES, FEEDBACK, NECESSITY OF ADDITIONAL ASSISTANCE FROM THE REGIONAL CENTER, NUMBER OF PERSONNEL INVOLVED IN THE WANO ACTIVITIES	ON PLANT SITES	2019
1.1.1.11	PREPARE AND DISTRIBUTE, TO THE WANO MC MEMBERS, OF INFORMATION ON THE YEAR END CEO LETTER REPORT	WANO MC PREMISES	FEBRUARY 2019
1.1.1.12	PREPARE INFORMATION FOR THE MC ANNUAL REPORT	WANO MC PREMISES	2019

### 1.1.2. IDENTIFY PLANTS AND ORGANIZATIONS THAT NEED WANO SUPPORT

**TARGET:**

*Develop and implement methods of identifying the plants and organizations that need assistance from WANO in order to improve the operations or to fulfill own obligations as to improvement of the worldwide industrial performance. The methods shall be consistent but shall not be necessarily the same for all the regional centers.*

No	ACTIVITIES	VENUE	TIMING
1.1.2.1	PREPARE THE DOCUMENTATION PACKAGE FOR MEETINGS OF THE MC EXPERT-AND-ANALYTICAL GROUP TO IDENTIFY THE LEVELS OF INTERFACES AND SUPPORT, AND TO IDENTIFY THE PLANTS THAT NEED THE SUPPORT FROM WANO MC, ANNUALLY	WANO MOSCOW CENTER	ANNUALLY
1.1.2.2	IDENTIFY ANNUALLY THE LEVEL OF INTERFACES AND SUPPORT, AND IDENTIFY THE PLANTS THAT NEED THE SUPPORT FROM WANO MC. MEETING OF THE MC EXPERT-AND-ANALYTICAL GROUP (ONCE PER YEAR)	WANO MOSCOW CENTER	MARCH-APRIL 2019
1.1.2.3	UPDATE THE LEVEL OF INTERFACES AND SUPPORT, AND IDENTIFY THE PLANTS THAT NEED THE SUPPORT FROM WANO MC. MEETINGS OF THE MC EXPERT-AND-ANALYTICAL GROUP	WANO MOSCOW CENTER	2019, IN CASE OF CIRCUMSTANCES THAT WOULD REQUIRE UPDATING OF THE LEVELS OF INTERFACES AND SUPPORT AND/OR RANKING OF A PLANT AS THE PLANT THAT NEEDS THE MC SUPPORT
1.1.2.4	INFORMATION FROM THE WANO MC DIRECTOR TO THE MANAGEMENT OF WANO MEMBER COMPANIES AND PLANT MANAGERS ON RESULTS OF REVIEW OF THE LEVELS OF INTERFACES AND SUPPORT AS WELL AS RESULTS OF THE WANO MC PLANT SUPPORT RANKING	WANO MOSCOW CENTER	AFTER EAG MEETING

### 1.1.3. PLANT SUPPORT

No	ACTIVITIES	VENUE	TIMING
1.1.3.1	DEVELOP PROPOSALS TO IMPROVE THE OPERATIONAL SAFETY PERFORMANCE BASED UPON THE RESULTS OF MC MEMBER PLANT MONITORING, AND ORGANIZE THE SUPPORT TO THE PLANTS FROM WANO THROUGH THE MC SITE REPRESENTATIVES	MC AFFILIATED PLANTS	2019
1.1.3.2	DEVELOP, AT EACH MC AFFILIATED PLANT, THE 2-YEAR PLANS OF INTERFACES TO SUPPORT THE PLANTS THROUGH THE MC SITE REPRESENTATIVES	WANO MOSCOW CENTER	SEPTEMBER 2019
1.1.3.3	ORGANIZE THE SUPPORT TO THE WANO MC MEMBER COMPANIES AND PLANTS THAT NEED WANO MC SUPPORT THROUGH THE MC SITE REPRESENTATIVES AND WITH PARTICIPATION OF MEMBERS OF THE MC EXPERT-AND-ANALYTICAL GROUP	OPERATING COMPANIES AND PLANTS THAT NEED WANO MC SUPPORT	2019, IN CASE OF OPERATING COMPANIES AND PLANTS THAT NEED WANO MC SUPPORT
1.1.3.4	MONITOR FULFILLMENT OF THE PLANS OF INTERFACES BY THE MC SITE REPRESENTATIVES	MC AFFILIATED PLANTS	2019
1.1.3.5	MONITOR FULFILLMENT OF THE PLANS OF INTERFACES BY THE MC SITE REPRESENTATIVES WITH PARTICIPATION OF MEMBERS OF THE MC EXPERT-AND-ANALYTICAL GROUP	OPERATING COMPANIES AND PLANTS THAT NEED WANO MC SUPPORT	2019, IN CASE OF OPERATING COMPANIES AND PLANTS THAT NEED WANO MC SUPPORT
1.1.3.6	TECHNICAL VISITS OF MEMBERS OF THE MC EXPERT-AND-ANALYTICAL GROUP TO ASSESS THE OPERATIONAL SAFETY PERFORMANCE AND TO ISSUE RECOMMENDATIONS AS TO IMPROVEMENTS IN A PLANT THAT NEEDS WANO MC SUPPORT – AT LEAST 2 TIMES PER YEAR	OPERATING COMPANIES AND PLANTS THAT NEED WANO MC SUPPORT	2019, IN CASE OF OPERATING COMPANIES AND PLANTS THAT NEED WANO MC SUPPORT
1.1.3.7	INVOLVEMENT OF WANO MC SITE REPRESENTATIVES IN PREPARATION AND DELIVERY OF PRs, FUPRs, PSURs, CPRs AT THE OWN PLANT, INCLUDING PARTICIPATION IN PREPARATION OF THE ADVANCED INFORMATION PACKAGE AND DEVELOPMENT OF CORRECTIVE ACTIONS	WANO MOSCOW CENTER	2019
1.1.3.8	MONITOR STATUS OF THE MOST IMPORTANT AFIs BY THE WANO MC SITE REPRESENTATIVES	WANO MOSCOW CENTER	2019

1.1.3.9	PARTICIPATION OF THE WANO MC SITE REPRESENTATIVES IN PREPARATION AND DELIVERY OF MSM FOR THE OWN PLANT	WANO MOSCOW CENTER	2019
1.1.3.10	DISSEMINATION, BY THE WANO MC SITE REPRESENTATIVES WITHIN THEIR OWN PLANTS AND OPERATING ORGANIZATIONS, OF MATERIALS ON OPERATIONAL EXPERIENCE, INCLUDING SOER	WANO MOSCOW CENTER	2019
1.1.3.11	SUPPORT BY THE WANO MC SITE REPRESENTATIVES TO THE PLANTS IN TRACKING OF STATUS OF THE RECOMMENDATIONS CONTAINED IN SIGNIFICANT OPERATIONAL EXPERIENCE REPORTS	WANO MOSCOW CENTER	2019
1.1.3.12	PARTICIPATION OF THE WANO MC SITE REPRESENTATIVES IN PREPARATION AND SUBMISSION OF INFORMATION ON REQUEST OF THE OTHER PLANTS, AND IN PREPARATION OF INFORMATION REQUESTS FROM THE OWN PLANT AND THEIR SUBMISSION TO THE WANO MC AND OTHER PLANTS	WANO MOSCOW CENTER	2019
1.1.3.13	DISTRIBUTION BY THE WANO MC SITE REPRESENTATIVES WITHIN THEIR PLANTS AND OPERATING ORGANIZATIONS OF WANO PRINCIPAL DOCUMENTS, GUIDELINES AND OTHER DOCUMENTS	WANO MOSCOW CENTER	2019
1.1.3.14	DISTRIBUTION BY THE WANO MC SITE REPRESENTATIVES WITHIN THEIR PLANTS AND OPERATING ORGANIZATIONS OF MATERIALS ON STRENGTHS AND GOOD PRACTICES OF THE OTHER PLANTS	WANO MOSCOW CENTER	2019

#### 1.1.4. ORGANIZE ACTIVITIES OF THE MC SITE REPRESENTATIVES

No	ACTIVITIES	VENUE	TIMING
1.1.4.1	ESTABLISH THE WANO MC SITE REPRESENTATIONS AT ALL MOSCOW CENTER AFFILIATED PLANTS		
1.1.4.1.1	ESTABLISH THE WANO MC SITE REPRESENTATION AT BELARUSIAN PLANT	BELARUSIAN PLANT	2019, IF POSITIVELY DECIDED BY THE BELARUSIAN PLANT MANAGEMENT
1.1.4.1.2	VISITS OF THE WANO MC MANAGEMENT TO THE MEMBER PLANTS REGARDING THE ORGANIZATION OF THE WANO MC SITE REPRESENTATION	BELARUSIAN PLANT	2019, AS DECIDED BY THE BELARUSIAN PLANT MANAGEMENT
1.1.4.2	APPOINTMENT OF THE WANO MC SITE REPRESENTATIVES FOR THE SITES UNDER CONSTRUCTION, NUMBER OF ACTIVITIES – 1		
1.1.4.2.1	APPOINTMENT OF A WANO MC SITE REPRESENTATIVE	BELARUSIAN PLANT	2019, AS DECIDED BY THE BELARUSIAN PLANT MANAGEMENT
1.1.4.3	EXCHANGE VISITS OF THE WANO MC SITE REPRESENTATIVES REGARDING ASSESSMENT OF THE MC AFFILIATED PLANTS' STATUS AND RECOMMENDATIONS ON IMPROVEMENT OF THE EFFICIENCY OF INTERFACES AND PERFORMANCE OF THE WANO MC REPRESENTATIONS, NUMBER OF VISITS - 6		
1.1.4.3.1	EXCHANGE VISIT OF WANO MC SITE REPRESENTATIVES	TO BE CONFIRMED	2019
1.1.4.3.2	EXCHANGE VISIT OF WANO MC SITE REPRESENTATIVES	TO BE CONFIRMED	2019
1.1.4.3.3	EXCHANGE VISIT OF WANO MC SITE REPRESENTATIVES	TO BE CONFIRMED	2019
1.1.4.3.4	EXCHANGE VISIT OF WANO MC SITE REPRESENTATIVES	TO BE CONFIRMED	2019



## 1.2. IMPLEMENT THE WANO PROGRAMMES

### 1.2.1 PEER REVIEW PROGRAMME

**TARGET 1:** CONDUCT THE PEER REVIEWS (PR) OF EACH MEMBER PLANT AT LEAST ONCE IN 4 YEARS, WITH THE FOLLOWUP PEER REVIEW WITHIN 2 YEARS.

**TARGET 2:** REACH THE TARGET CRITERIA: 100% OF TOTAL NUMBER OF THE DESIGN-INFORMED PEER REVIEWS IN THE YEAR 2019.

**TARGET 3:** IMPROVE QUALITY OF THE PEER REVIEWS SO THAT THE TEAMS WOULD BE ABLE TO REVEAL LOW-LEVEL ISSUES, INCLUDING GAPS IN ATTITUDE TOWARDS WORK AND PERSONAL BEHAVIOUR, AND WOULD BE BETTER AT CHARACTERIZING THE CAUSES OF THE GAPS REVEALED. IN DOING SO, IMPROVEMENTS ARE NEEDED IN THE QUALIFICATION LEVEL AND EXPERIENCE AS TO PARTICIPATION IN THE PEER REVIEWS AS TEAM LEADERS AND REVIEWERS.

No	ACTIVITIES	VENUE	TIMING
1.2.1.1.	IMPROVE EFFICIENCY OF ASSESSMENT OF NUCLEAR SAFETY CULTURE (SC) STATUS		
1.2.1.1.1	DEVELOP METHODS OF IMPROVING THE PEER REVIEW EFFICIENCY (1 PERSON)	MC, LO	QUARTER 3
1.2.1.1.2	SUBMIT RESULTS FOR REVIEW BY ELT		2019
1.2.1.2.	IMPROVE THE PLANT ASSESSMENT PROCESS		
1.2.1.2.1	REVIEW THE WANO MEMBER ASSESSMENT PROCESS AND DEVELOP NEW ASSESSMENT METHODS (1 PERSON)	MC, LO	QUARTER 4
1.2.1.2.2	BE PREPARED FOR WANO ASSESSMENT IN OTHER TCs (APP. 15 PERSONS)	WANO MOSCOW CENTER	2019
1.2.1.2.3	PARTICIPATE IN WANO ASSESSMENT IN OTHER RCs AT REQUEST (APP. 15 PERSONS)	WANO MOSCOW CENTER	2019
1.2.1.2.4	PARTICIPATE IN THE WORKING GROUP MEETINGS WITHIN WANO ASSESSMENT PROJECT DURING THE ANNUAL PROGRAMME DIRECTOR MEETINGS		2019

No	ACTIVITIES	VENUE	TIMING
1.2.1.2.5	ESTABLISH THE LO WORKING GROUP. DEVELOP THE PLANT ASSESSMENT PROCESS PERFORMANCE INDICATORS. CONDUCT SELF-ASSESSMENT OF THE PLANT ASSESSMENT PROCESS. REVIEW THE FEEDBACK FROM THE WANO MEMBERS IN THE FRAMEWORK OF THE PLANT ASSESSMENT PROCESS	TO BE CONFIRMED	2019
1.2.1.3.	STANDARDIZE AND IMPROVE PERFORMANCE OF THE PR REVIEWER TRAINING AND QUALIFICATION PROCESS		
1.2.1.3.1	REVIEW THE EXISTING PR REVIEWER TRAINING AND QUALIFICATION PROCESSES (1 PERSON)	MC, LO	QUARTER 2
1.2.1.3.2	DEVELOP GENERAL QUALIFICATION REQUIREMENTS (1 PERSON) UPDATE WPG01, WPG06, WPG07	MC, LO	QUARTER 3
1.2.1.3.3	APPLY THE GENERAL QUALIFICATION REQUIREMENTS	MC, LO	QUARTER 4
1.2.1.3.4	PARTICIPATION OF PR TEAM LEADERS BEING TRAINED, IN PRS OF THE OTHER RCS, WITHIN THE TRAINING STAGE, ACCORDING TO THE AC/PC/TC PR SCHEDULES, 5 PERSONS	AC, PC, TC	2019
1.2.1.3.5	PARTICIPATION OF PR TEAM LEADERS BEING TRAINED, IN TRAINING SEMINARS ORGANIZED BY LO, 5 PERSONS	TO BE CONFIRMED	AS PER LO SCHEDULE-2019
1.2.1.3.6	CONDUCT RETREAT TRAINING SEMINARS (ON PLANT SITES) FOR TRAINING OF PEER REVIEWERS, ON REQUESTS FROM THE PLANTS (3 SEMINARS, 2-3 MC TRAINERS IN EACH OF THEM)	TO BE CONFIRMED	2019
1.2.1.3.7	SELECT TWO CANDIDATES FOR THE PR TEAM LEADER POSITION	MC	2019
1.2.1.4.	IMPLEMENT THE PROGRAMME PERFORMANCE INDICATORS		
1.2.1.4.1	DEVELOP THE PROGRAMME PERFORMANCE INDICATORS (1 PERSON)	MC, LO	QUARTER 1

No	ACTIVITIES	VENUE	TIMING
1.2.1.4.2	IMPLEMENT THE PROGRAMME PERFORMANCE INDICATORS	MC	QUARTER 2
1.2.1.5.	DETECT AND IMPLEMENT THE PR DELIVERY BEST PRACTICES		
1.2.1.5.1	IDENTIFY THE BEST PRACTICES DURING THE PRs IN MC AND OTHER REGIONAL CENTERS (1 PERSON)	MC, LO, OTHER RCS	QUARTER 1
1.2.1.5.2	USE THE BEST PRACTICES DURING PRs AT MC	MC	QUARTER 2
1.2.1.6.	IMPROVE PERFORMANCE OF REVIEW OF LEADERSHIP AND ORGANIZATIONAL STRUCTURE EFFICIENCY AREAS		
1.2.1.6.1	REVIEW AFIs IN LEADERSHIP AND ORGANIZATIONAL STRUCTURE EFFICIENCY AREAS AND SHARE INFORMATION WITH OTHER RCS (1 PERSON)	MC	QUARTER 1
1.2.1.6.2	DEVELOP THE TRAINING MATERIALS ON REVIEW OF LEADERSHIP AND ORGANIZATIONAL STRUCTURE EFFICIENCY AREAS (1 PERSON)	MC, LO, OTHER RCS	QUARTER 2
1.2.1.7.	OPTIMIZE THE PR TEAM COMPOSITION		
1.2.1.7.1	REVIEW THE STANDARD PR SCHEDULES AND TEAM COMPOSITION. DEVELOP THE OPTIMIZED APPROACH TOWARDS THE PR DELIVERY (1 PERSON)	MC	QUARTER 1
1.2.1.7.2	IMPLEMENT THE OPTIMIZED APPROACH TOWARDS THE PR DELIVERY	MC	QUARTER 1
1.2.1.8.	IMPLEMENT THE CPO PROCESS. CONDUCT 5 PRs WITH CPO, OUT OF 8		
1.2.1.8.1	CPO TRAINING DURING SEMINARS BEING ORGANIZED BY HONG KONG OFFICE, 3 PERSONS	TO BE CONFIRMED	AS PER HONG KONG OFFICE SCHEDULE-2019
1.2.1.8.2	CPO TRAINING IN MC AFFILIATED PLANTS (FOR MC STAFF AND POTENTIAL PLANT REVIEWERS/TEAM LEADERS FOR CPO) (2 SEMINARS, 2-3 TRAINERS AND 5-7 TRAINEES IN EACH OF THEM)	FSS OF RBMK PLANT FSS OF VVER-440 PLANT	2019
1.2.1.9.	COOPERATION WITH IAEA AS REGARDS NEW ENTRANTS		

No	ACTIVITIES	VENUE	TIMING
1.2.1.9.1	COMPARE WANO AND IAEA ACTIVITIES. PARTICIPATE IN JOINT IAEA/WANO MEETINGS (1 PERSON)	MC, LO	2019
1.2.1.10.	CONDUCT CORPORATE PRS IN EACH OPERATING ORGANIZATION ONCE IN SIX YEARS, ON REQUEST OF OPERATING ORGANIZATIONS, NUMBER OF REVIEWS – 1		

1.2.1.10.1.	PRE-VISIT OF THE PR TEAM LEADER	ARMENIAN PLANT	JANUARY
1.2.1.10.2.	CPR PREPARATORY MEETING	WANO MC	APRIL
1.2.1.10.3.	CONDUCT THE CORPORATE PEER REVIEW WITH PARTICIPATION OF RESPONSIBLE LEADS	ARMENIAN PLANT	20 -29 MAY
1.2.1.10.4	FINAL MEETING FOLLOWING THE CORPORATE PEER REVIEW, WITH PARTICIPATION OF THE COMPANY TOP-LEVEL MANAGERS	ARMENIAN PLANT	JULY
1.2.1.10.5	SEND EXPERTS HAVING CORPORATE EXPERIENCE FOR PARTICIPATION IN THE PRS OF OTHER RCs		2019
1.2.1.10.5.1.	SEND EXPERTS HAVING CORPORATE EXPERIENCE FOR PARTICIPATION IN CPRs OF OTHER RCs, ON REQUEST OF RCs – 6 EXPERTS	AC, PC, TC	DURING 2019
1.2.1.10.5.2.	PROVIDE INTERPRETERS TO EXPERTS WHO DO NOT SPEAK ENGLISH – 2 INTERPRETERS	AC, PC, TC	DURING 2019
1.2.1.10.6	PARTICIPATE IN UPDATING OF WANO CPR GUIDELINE WPG 07	WANO MC	2019

1.2.1.11.	CONDUCT FOLLOWUP CORPORATE PRs IN OPERATING ORGANIZATIONS WITHIN TWO – THREE YEARS AFTER CPR (ON REQUEST), NUMBER OF REVIEWS – 2		
1.2.1.11.1	FOLLOWUP CORPORATE PEER REVIEW	BULGARIAN ENERGY HOLDING EAD. (BEH)	30 SEPTEMBER-04 OCTOBER
1.2.1.11.2	FOLLOWUP CORPORATE PEER REVIEW	CEZ A.S. (CZECH REPUBLIC)	11-15 NOVEMBER
1.2.1.12.	CONDUCT PRE-STARTUP PEER REVIEWS, NUMBER OF REVIEWS - 6 (DATES ARE GIVEN BASED UPON OFFICIAL INFORMATION FROM THE PLANTS AND ARE SUBJECT TO CHANGE DEPENDING ON PREPAREDNESS OF NEW UNITS)		
1.2.1.12.1	PRE-STARTUP PEER REVIEW AT BELARUSIAN PLANT, UNIT 1	BELARUS	APRIL
1.2.1.12.2	PRE-STARTUP PEER REVIEW AT NOVovorONEZH PLANT, UNIT 7	RUSSIA	JANUARY
1.2.1.12.3	PRE-STARTUP PEER REVIEW AT MOCHOVCE PLANT, UNIT 3	SLOVAKIA	JANUARY
1.2.1.12.4	PRE-STARTUP PEER REVIEW AT MOCHOVCE PLANT, UNIT 4	SLOVAKIA	JULY
1.2.1.12.5	PRE-STARTUP PEER REVIEW AT ACADEMICIAN LOMONOSOV FLOATING PLANT	RUSSIA	JULY – AUGUST
1.2.1.12.6	PRE-STARTUP PEER REVIEW AT BELARUSIAN PLANT, UNIT 2	BELARUS	DECEMBER
1.2.1.13.	CONDUCT PSUR FOLLOWUP VISITS (IN CASE OF AFIs RELATED TO START-UP), NUMBER OF VISITS – 6 (DATES ARE GIVEN BASED UPON OFFICIAL INFORMATION FROM THE PLANTS AND ARE SUBJECT TO CHANGE DEPENDING ON PREPAREDNESS OF NEW UNITS)		
1.2.1.13.1	PRE-STARTUP PEER REVIEW AT BELARUSIAN PLANT, UNIT 1	BELARUS	2019
1.2.1.13.2	PRE-STARTUP PEER REVIEW AT NOVovorONEZH PLANT, UNIT 7	RUSSIA	2019

1.2.1.13.3	PRE-STARTUP PEER REVIEW AT MOCHOVCE PLANT, UNIT 3	SLOVAKIA	2019
1.2.1.13.4	PRE-STARTUP PEER REVIEW AT MOCHOVCE PLANT, UNIT 4	SLOVAKIA	2019
1.2.1.13.5	PRE-STARTUP PEER REVIEW AT ACADEMICIAN LOMONOSOV FLOATING PLANT	RUSSIA	2019
1.2.1.13.6	PRE-STARTUP PEER REVIEW AT BELARUSIAN PLANT, UNIT 2	BELARUS	2019
1.2.1.14.	CONDUCT PRs. PREPARE AND CONDUCT EIGHT PEER REVIEWS, ALL EIGHT BEING DESIGN INFORMED	LOVIISA PLANT, TIANWAN PLANT, BALAKOVO PLANT, TEMELIN PLANT, KHMELNITSKY PLANT, BILIBINO PLANT, BUSHEHR PLANT, KUDANKULAM PLANT	AS PER PR SCHEDULE-2019
1.2.1.14.1	LOVIISA PLANT (WITH CPO)	FINLAND	14-29 MARCH
1.2.1.14.2	TIANWAN PLANT	CHINA	11-26 APRIL
1.2.1.14.3	BALAKOVO PLANT (WITH CPO)	RUSSIA	20 JUNE-05 JULY
1.2.1.14.4	TEMELIN PLANT (WITH CPO) (WITH PC)	CZECH REP.	17 JULY-02 AUGUST
1.2.1.14.5	KHMELNITSKY PLANT (WITH CPO)	UKRAINE	12-27 SEPTEMBER
1.2.1.14.6	BILIBINO PLANT	RUSSIA	26 SEPTEMBER-11 OCTOBER
1.2.1.14.7	BUSHEHR PLANT (WITH CPO)	IRAN	21 NOVEMBER-06 DECEMBER
1.2.1.14.8	KUDANKULAM PLANT (WITH CPO)	INDIA	1-ST QUARTER (TRANSFERRED FROM 2018)
1.2.1.14.9	IMPLEMENTATION OF DESIGN-INFORMED APPROACH TOWARDS PRs		

1.2.1.14.9.1	MEETINGS FOLLOWING REVIEW OF DESIGN AND OPERATIONAL INFORMATION TO CONDUCT THE REVIEW AT THE RELATED PLANT	LOVIISA PLANT, TIANWAN PLANT, BALAKOVO PLANT, TEMELIN PLANT, KHMELNITSKY PLANT, BIBIBINO PLANT, BUSHEHR PLANT, KUDANKULAM PLANT	2019
1.2.1.14.9.2	CONDUCT TRAINING OF PEER REVIEW TEAM EXPERTS IN DESIGN-INFORMED APPROACH	LOVIISA PLANT, TIANWAN PLANT, BALAKOVO PLANT, TEMELIN PLANT, KHMELNITSKY PLANT, BIBIBINO PLANT, BUSHEHR PLANT, KUDANKULAM PLANT	2019
1.2.1.14.9.3	CONDUCT TRAINING OF PLANT REVIEWERS AND PERSONNEL IN PREPARATION TO AND DELIVERY OF DESIGN-INFORMED APPROACH TOWARDS THE PEER REVIEWS PLANNED FOR 2020 (5 PLANTS)	PAKS PLANT, ZAPORIZHYE PLANT, RIVNE PLANT, BELOYARSK PLANT, NOVOVORONEZH PLANT	AS PLANNED ALONG WITH PLANTS
1.2.1.14.9.4	ANNUAL MEETING OF PR DESIGN-INFORMED APPROACH WORKING GROUP	MOSCOW	QUARTER 4, 2019
1.2.1.15.	CONDUCT FOLLOWUP PRs, NUMBER OF REVIEWS - 8	KOLA PLANT, DUKOVANY PLANT, CHINON PLANT, SMOLENSK PLANT, KURSK PLANT, KOZLODUY PLANT, ARMENIAN PLANT	AS PER PR SCHEDULE-2019
1.2.1.15.1	FOLLOWUP PEER REVIEW	KOLA PLANT, RUSSIA	11-15 FEBRUARY
1.2.1.15.2	FOLLOWUP PEER REVIEW	DUKOVANY PLANT, CZECH REP.	23-27 APRIL
1.2.1.15.3	FOLLOWUP PEER REVIEW	CHINON PLANT, FRANCE (ALONG WITH PC)	04-08 MARCH
1.2.1.15.4	FOLLOWUP PEER REVIEW	BOHUNICE PLANT, SLOVAKIA	12-16 AUGUST
1.2.1.15.5	FOLLOWUP PEER REVIEW	SMOLENSK PLANT, RUSSIA	02-06 SEPTEMBER
1.2.1.15.6	FOLLOWUP PEER REVIEW	KURSK PLANT, RUSSIA	14-18 OCTOBER
1.2.1.15.7	FOLLOWUP PEER REVIEW	KOZLODUY PLANT, BULGARIA	11-15 NOVEMBER

1.2.1.15.8	FOLLOWUP PEER REVIEW	ARMENIAN PLANT, ARMENIA	09-13 DECEMBER
1.2.1.16.	SEND EXPERTS FOR PARTICIPATION IN PRS OF OTHER RCs, ON REQUEST OF RCs: AC REQUEST – 16 EXPERTS PC REQUEST – 11 EXPERTS TC REQUEST – APP. 21 EXPERTS TOTAL: 48 PERSONS	PC, AC, TC	AS PER PR SCHEDULE OF OTHER REGIONAL CENTERS
1.2.1.17.	MEETING OF PR TEAM LEADERS AND COORDINATORS, NUMBER OF MEETINGS - 2		
1.2.1.17.1	MEETING OF PR TEAM LEADERS AND COORDINATORS (15-18 PERSONS)	WANO MOSCOW CENTER	QUARTER 2
1.2.1.17.2	MEETING OF PR TEAM LEADERS AND COORDINATORS (15-18 PERSONS)	WANO MOSCOW CENTER	QUARTER 4
1.2.1.17.3	PARTICIPATION IN ACTIVITIES OF OTHER ORGANIZATIONS (IAEA, REA INSPECTIONS, ETC.) RELATING TO TOPICS OF PLANT PRODUCTION ACTIVITY INSPECTIONS, 6 PERSONS	TO BE CONFIRMED	2019
1.2.1.18.	UPDATING OF POCs		
1.2.1.18.1	MEETINGS IN LONDON OFFICE AND OTHER REGIONAL CENTERS ON UPDATING OF PEER REVIEW AND PRE-STARTUP PEER REVIEW POCs, PROGRAMME GUIDELINES AND PCDS FOR PRs AND PSURs, PROCEDURES FOR CPO, WANO ASSESSMENT PROGRAMME GUIDELINE (3 – 5 MEETINGS WITH PARTICIPATION OF 2 MC REPRESENTATIVES) PARTICIPATION OF MC PERSONNEL IN WORKING GROUPS FOR UPDATING OF PR, CPR AND PSUR POCs (3 PERSONS).	LO, AC, PC, TC	AS PLANNED BY LO
1.2.1.18.2	MEETING ON DISCUSSION OF RESULTS OF APPLICATION OF EP+SAM POCs FOR PRs IN 2019, WITH PARTICIPATION OF PLANT AND MC EXPERTS (UP TO 15 PERSONS)	MOSCOW, WANO MC PREMISES	QUARTER 4
1.2.1.19	IMPROVE PR PERFORMANCE QUALITY		



1.2.1.19.1	ENSURE THAT MC GB MEMBERS PARTICIPATE AS EXIT REPRESENTATIVES IN PEER REVIEWS; CONDUCT TRAINING AND BRIEFING OF EXIT REPRESENTATIVES; NUMBER OF MEETINGS - 7	WANO MOSCOW CENTER AFFILIATED PLANTS TO HOST PRS	2019
1.2.1.19.2	REVIEW RESULTS AND IDENTIFY THE REPEATED AREAS FOR IMPROVEMENT BASED UPON RESULTS OF EXTERNAL REVIEWS BY OTHER INDUSTRIAL ORGANIZATIONS	WANO MOSCOW CENTER	2019
1.2.1.19.3.	ORGANIZE PARTICIPATION OF COMPANY TOP-LEVEL MANAGERS (CEO, DIRECTOR GENERAL, PRESIDENT) IN EXIT MEETINGS, NUMBER OF MEETINGS – 13		
1.2.1.19.3.1	ENSURE THAT COMPANY TOP-LEVEL MANAGERS PARTICIPATE IN PR FINAL MEETING OF PR AT SOUTH-UKRAINE PLANT	NAEK, Kiev	January
1.2.1.19.3.2	ENSURE THAT COMPANY TOP-LEVEL MANAGERS PARTICIPATE IN PR FINAL MEETING OF PR AT KUDANKULAM PLANT	KUDANKULAM PLANT	January
1.2.1.19.3.3	ENSURE THAT COMPANY TOP-LEVEL MANAGERS PARTICIPATE IN PR FINAL MEETING OF PR AT ROSTOV PLANT	REA PREMISES, MOSCOW	FEBRUARY
1.2.1.19.3.4	ENSURE THAT COMPANY TOP-LEVEL MANAGERS (DIRECTOR GENERAL) PARTICIPATE IN FINAL MEETING OF PR AT NOVovoronezh-7	REA PREMISES, MOSCOW	MARCH
1.2.1.19.3.5	ENSURE THAT COMPANY TOP-LEVEL MANAGERS (DIRECTOR GENERAL) PARTICIPATE IN FINAL MEETING OF PR AT MOCHOVCE PLANT (UNIT №3)	SLOVENSKÉ ELEKTRÁRNE, BRATISLAVA OR MOCHOVCE PLANT	TO BE DETERMINED DEPENDING ON ACTUAL PR DATES
1.2.1.19.3.6	ENSURE THAT COMPANY TOP-LEVEL MANAGERS (DIRECTOR GENERAL) PARTICIPATE IN FINAL MEETING OF PR AT BELARUSIAN PLANT (UNIT №1)	BELARUSIAN PLANT OFFICE	JUNE
1.2.1.19.3.7	ENSURE THAT COMPANY TOP-LEVEL MANAGERS PARTICIPATE IN FINAL MEETING OF PR AT LOVIISA PLANT	FORTUM PREMISES, HELSINKI OR LOVIISA PLANT	JUNE
1.2.1.19.3.8	ENSURE THAT COMPANY TOP-LEVEL MANAGERS PARTICIPATE IN FINAL MEETING OF PR AT TAINWAN PLANT	JNPC PREMISES OR TIANWAN PLANT	JUNE
1.2.1.19.3.9	ENSURE THAT COMPANY TOP-LEVEL MANAGERS (DIRECTOR GENERAL) PARTICIPATE IN FINAL MEETING OF PR AT MOCHOVCE PLANT (UNIT №4)	SLOVENSKÉ ELEKTRÁRNE, BRATISLAVA OR MOCHOVCE PLANT	TO BE DETERMINED DEPENDING ON ACTUAL PR DATES
1.2.1.19.3.10	ENSURE THAT COMPANY TOP-LEVEL MANAGERS PARTICIPATE IN FINAL MEETING OF PR AT BALAKOVO PLANT	REA PREMISES, MOSCOW	SEPTEMBER
1.2.1.19.3.11	ENSURE THAT COMPANY TOP-LEVEL MANAGERS PARTICIPATE IN FINAL MEETING OF PR AT ACADEMICIAN LOMONOSOV FLOATING PLANT	REA PREMISES, MOSCOW	OCTOBER

1.2.1.19.3.12	ENSURE THAT COMPANY TOP-LEVEL MANAGERS PARTICIPATE IN FINAL MEETING OF PR AT TEMELIN PLANT	CEZ, PRAGUE OR TEMELIN PLANT	OCTOBER
1.2.1.19.3.13	ENSURE THAT COMPANY TOP-LEVEL MANAGERS (DIRECTOR GENERAL) PARTICIPATE IN FINAL MEETING OF PR AT KHMELNITSKY PLANT	NAEK PREMISES, KIEV	NOVEMBER
1.2.1.19.3.14	ENSURE THAT COMPANY TOP-LEVEL MANAGERS PARTICIPATE IN FINAL MEETING OF PR AT BILIBINO PLANT	REA PREMISES, MOSCOW	DECEMBER
1.2.1.19.4	ASSESS THE PR TEAM EXPERTS AND IDENTIFY THE EXPERTS' QUALIFICATION LEVEL FOLLOWING THE PR PARTICIPATION RESULTS. ASSESSMENT TO BE DONE BY THE PR COORDINATOR, PR TEAM LEADER AND PR PROGRAMME DIRECTOR	WANO MOSCOW CENTER	2019
1.2.1.19.5	REVIEW THE FEEDBACK QUESTIONNAIRES FROM THE PLANTS THAT HOSTED PRs AND FROM THE PR TEAM MEMBERS	WANO MOSCOW CENTER	2019
1.2.1.19.6	DEVELOP A STANDARD DOCUMENT (PROGRAMME) ON PEER REVIEW TEAM EXPERTS' ASSESSMENT	WANO MOSCOW CENTER	2019
1.2.1.19.7	DEVELOP THE PEER REVIEW TEAM EXPERTS' QUALIFICATION SCHEDULE AND THE QUALIFIED EXPERT DATABASE	WANO MOSCOW CENTER	2019

### STAGES OF STANDARD FULL-SCOPE PEER REVIEW (PR)

No	STAGE	DURATION (DAYS)	NUMBER OF PERSONNEL (PERSONS)	NOTE
1	TEAM VISIT ON APPLICATION OF DESIGN-INFORMED APPROACH DURING PR	(TOTAL) 10-15 WORKING DAYS	1-2 PERSONS	3-4 VISITS WITHIN PREPARATION TO PR. ONE VISIT TO BE COMBINED WITH A PRE-VISIT
2	PRE-VISIT	5 WORKING DAYS	3-4 PERSONS	TEAM LEADER, COORDINATOR, MC DEPUTY DIRECTOR, CPO TEAM LEADER (IF CPO IS APPLICABLE)
3	OBSERVATIONS DURING MAINTENANCE ACTIVITIES WITHIN OUTAGES	5 WORKING DAYS	2 PERSONS	ALLOWABLE TO COMBINE WITH A PRE-VISIT
4	CREW PERFORMANCE OBSERVATIONS AT FSS / CPO*	5 WORKING DAYS (15* DAYS FOR CPO, 10 DAYS FOR PRE-PR CPO)	2-PERSONS (4* PERSONS для CPO)	AS PER WANO GB DECISION ON STEP-BY-STEP INCLUSION OF CPO INTO THE PRs IN 2019, IT IS PLANNED TO HAVE CPO DURING THE PRs AT LOVIISA, BALAKOVO, TEMELIN, KHMELNITSKY, BUSHEHR, IN ADDITION TO MANDATORY CPO WITHIN PSURs AT MOCHOVCE -4, BELARUSIAN-1,2, FLOATING PLANT, NOVovorONEZH-7, MOCHOVCE-3 (CPO CAN BE DONE SEPARATELY OR SIMULTANEOUSLY WITH PRs).
5	PREPARATORY DAY FOR LEADING PR TEAM EXPERTS AND TEAM LEADER IN MC PREMISES	1 WORKING DAY	10-11 PERSONS (5 PERSONS OUT OF OFFICE)	AS A RULE, THE PR TEAM INCLUDES 3-5 MC EMPLOYEES AS LEADING EXPERTS
6	CONDUCT OF PR ON SITE	17 DAYS	21-24 PERSONS	19-22 EXPERTS + 1 TEAM LEADER + 2 COORDINATORS + 1 SITE REPRESENTATIVE + THREE CPO TEAM MEMBERS (IF APPLICABLE)
7	PARTICIPATION OF WANO RESPONSIBLE REPRESENTATIVES IN PR	5 WORKING DAYS	2 PERSONS	
8	PREPARATION TO WANO ASSESSMENT. ASSESSMENT OF PR	1 WORKING DAY	-	TO BE DONE BY WANO EMPLOYEES WITH

	AREAS IN MC OFFICE			INVOLVEMENT OF PR LEADING EXPERTS BY VIDEOCONFERENCE
9	WANO PR ASSESSMENT	1 WORKING DAY	5 PERSONS	MANDATORY ATTENDANCE OF PR TEAM LEADER IN MC OFFICE
10	PR FINAL MEETING AT CORPORATE	1 WORKING DAY	4-5 PERSONS	MANDATORY ATTENDANCE OF PR TEAM LEADER IN MC OFFICE

#### STAGES OF PRE-STARTUP PEER REVIEW (PSUR)

Nº	STAGE	DURATION (DAYS)	NUMBER OF PERSONNEL (PERSONS)	NOTE
1	PSUR PRE-VISIT	5 WORKING DAYS	3-4 PERSONS	TEAM LEADER, COORDINATOR, MC DEPUTY DIRECTOR, CPO TEAM LEADER
2	CONDUCT OF CPO	14 DAYS FOR CPO WITHIN PR, 10 DAYS FOR CPO BEFORE PR	3-4 PERSONS (IT IS MANDATORY TO HAVE THREE TEAM MEMBERS + CPO TRAINEE IF NEEDED)	CPO CAN BE DONE SEPARATELY OR SIMULTANEOUSLY WITH PSUR
3	CONDUCT OF PSUR ON SITE	14 DAYS	14-18 PERSONS	13-15 EXPERTS (INCLUDING CPO TEAM) + 1 TEAM LEADER + 1 COORDINATOR + 1 SITE REPRESENTATIVE
4	PARTICIPATION WANO RESPONSIBLE REPRESENTATIVES IN PSUR	3-5 WORKING DAYS	2 PERSONS	
5	PSUR FOLLOWUP VISIT (IN CASE OF AFIs RELATED TO START-UP)	3-5 DAYS	4-5 PERSONS	IN SOME CASES 1-2 ADDITIONAL FOLLOWUP VISITS MAY BE NEEDED
6	PSUR FINAL MEETING AT CORPORATE	1 WORKING DAY	4-5 PERSONS	MANDATORY ATTENDANCE OF PR TEAM LEADER

#### STAGES OF FOLLOWUP PEER REVIEW (FPR)

Nº	STAGE	DURATION (DAYS)	NUMBER OF PERSONNEL	NOTE
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			(PERSONS)	
1	CONDUCT OF FPR ON SITE	5 DAYS	4-7 PERSONS (DEPENDING ON NUMBER OF AFIS)	3-6 EXPERTS + 1 TEAM LEADER + 1 SITE REPRESENTATIVE

#### ESTIMATE OF INTERPRETATION AND TRANSLATION FOR PEER REVIEW PROGRAMME

Reference to Plan- 2019 point	Activity	Dates	Team interpreters for verbal/written translation, man-days	Written translation, pages
<b>PR</b>				
TRANSFER- RED FROM PLAN- 2018	PR ROSTOV PLANT (REPORT TO BE TRANSLATED)	DECEMBER 2018-JANUARY 2019	0	100+30=130**
1.2.1.14.1	PR LOVIISA PLANT	14-29 MARCH	0	100 *****
1.2.1.14.2	PR TIANWAN PLANT	11-26 APRIL	0	100 *****
1.2.1.14.3	PR BALAKOVO PLANT	20 JUNE-05 JULY	2×18*	100+30=130**
1.2.1.14.4	PR TEMELIN PLANT	17 JULY -02 AUGUST	0	100 *****
1.2.1.14.5	PR KHMELNITSKY PLANT	12-27 SEPTEMBER	2×18*	100+30=130**
1.2.1.14.6	PR BILIBINO PLANT	26 SEPTEMBER-11 OCTOBER	2×18*	100+30=130**
1.2.1.14.7	PR BUSHEHR PLANT	21 NOVEMBER-06 DECEMBER	2×18*	100+30=130**
<b>TRANSLATION OF INFORMATION ON PR DESIGN-INFORMED APPROACH</b>				
1.2.1.14.1	PR LOVIISA PLANT	14-29 MARCH****	0	12-15
1.2.1.14.2	PR TIANWAN PLANT	11-26 APRIL****	0	12-15
1.2.1.14.3	PR BALAKOVO PLANT	20 JUNE-05 JULY****	0	12-15
1.2.1.14.4	PR TEMELIN PLANT	17 JULY -02 AUGUST****	0	12-15
1.2.1.14.5	PR KHMELNITSKY PLANT	12-27 SEPTEMBER****	0	12-15
1.2.1.14.6	PR BILIBINO PLANT	26 SEPTEMBER-11 OCTOBER****	0	12-15

Reference to Plan-2019 point	Activity	Dates	Team interpreters for verbal/written translation, man-days	Written translation, pages
1.2.1.14.7	PR BUSHEHR PLANT	21 NOVEMBER-06 DECEMBER****	0	12-15
<b>FPR</b>				
1.2.1.15.1	KOLA PLANT	11-15 FEBRUARY	0	40
1.2.1.15.2	DUKOVANY PLANT	23-27 APRIL	0	0
1.2.1.15.3	CHINON PLANT, FRANCE (WITH PC)	04-08 MARCH	0	0
1.2.1.15.4	BOHUNICE PLANT	12-16 AUGUST	0	0
1.2.1.15.5	SMOLENSK PLANT	02-06 SEPTEMBER	0	40
1.2.1.15.6	KURSK PLANT	14-18 OCTOBER	0	40
1.2.1.15.7	KOZLODUY PLANT	11-15 NOVEMBER	0	0
1.2.1.15.8	ARMENIAN PLANT	09-13 DECEMBER	0	40
<b>PSUR</b>				
1.2.1.12.1	PSUR MOCHOVCE PLANT, UNIT 3	JANUARY	0	100 *****
1.2.1.12.2	PSUR NOVovoronezh PLANT, UNIT 7	JANUARY	1×13* 2×13*****	100**
1.2.1.12.3	PSUR BELARUSIAN PLANT, UNIT 1	APRIL	1×13* 2×13*****	100**
1.2.1.12.4	PSUR MOCHOVCE PLANT, UNIT 4	JULY	0	100 *****
1.2.1.12.5	PSUR ACADEMICIAN LOMONOSOV FLOATING PLANT	JULY-AUGUST	2×13*	100**
1.2.1.12.6	PSUR BELARUSIAN PLANT, UNIT 2	09-23 JUNE	2×13*****	100**
<b>DOCUMENTS</b>				
1.	PSUR PROCEDURES PCD 2013-1, 2, 3, 4, 5 AND 6, AND PCD 2017-02. WPG01, WPG06, WPG07, NEW VERSIONS TO POCs 2013-1 AND 2013-2, WPG08. REVIEW AFIS FOLLOWING PR, FPR AND PSUR IN 2018			1000

Reference to Plan-2019 point	Activity	Dates	Team interpreters for verbal/written translation, man-days	Written translation, pages
<b>OTHER</b>				
1.	CONDUCT OF CPO TRAINING AT MC AFFILIATED PLANTS (FOR MC EMPLOYEES AND POTENTIAL PLANT CPO EXPERTS/TEAM LEADERS) (2 SEMINARS, 2-3 TRAINERS AND 5-7 TRAINEES FOR EACH OF THEM)	TO BE ADDITIONALLY DETERMINED FOR FSS FOR RBMK AND FSS FOR VVER-440	$(1+1) \times 5^{***}$	0
2.	DEVELOP THE REPORT ON POSITIVE AND NEGATIVE ASPECTS OF PR, AND SUBMIT THIS INFORMATION TO OTHER MC PR TEAM LEADERS FOR FURTHER DISCUSSION	AFTER EACH OF 7 PRs, 8 FPRs AND 4 PSURs	0	$(7+8+4) \times 5 = 95$
	<b>TOTAL</b>		<b>219</b>	<b>2770</b>

**NOTE:**

\*BASED UPON THE EXPERIENCE IN INTERACTIONS WITH THIS PLANT, IT IS VERY LIKELY THAT THE OFFICE OR CONTRACTED INTERPRETERS WOULD BE REQUIRED.

\*\*TRANSLATION OF PR REPORT INTO ENGLISH FOR WANO ASSESSMENT AND/OR TRANSMITTAL TO LO + TRANSLATION OF AREA ASSESSMENT SHEETS FOR WANO ASSESSMENT AFTER PR.

\*\*\* ONE INTERPRETER FOR EACH TRAINING COURSE, FOR 3 DAYS.

\*\*\*\* REPORT TO BE TRANSLATED FOR THE TEAM 6 WEEKS PRIOR TO THE REVIEW, AT THE LATEST.

\*\*\*\*\* PROOF READING OF THE FINAL REPORT IN ENGLISH BY THE INTERPRETER.

## 1.2.2. TRAINING AND DEVELOPMENT PROGRAMME

### TARGETS:

1. *Support to organization and conduct of:*
  - *WANO TL/SVP Conference.*
  - *WANO MC Directors' Conference.*
  - *WANO MC Plant Technical Managers (Chief Engineers) and Operator Managers' Conference.*
2. *Ensure possibility for the plant personnel to share information with the purpose of extending the professional knowledge and sharing the most up-to-date information with other members.*
3. *Share the operational experience and ideas on improvement of the plant safety and reliability.*
4. *Ensure possibility for benchmarking the operational results and striving for achievement of the best results being based on achievements of the best performers.*
5. *Organize seminars and workshops on topics interesting for members.*

No	ACTIVITY	VENUE	TIMING
1.2.2.1	REVIEW APPLICATION OF THE SC PILOT QUESTIONNAIRE		
1.2.2.1.1	PARTICIPATE IN REVIEW OF THE SC PILOT QUESTIONNAIRE DEVELOPED BY NSC SURVEY WORKING GROUP	TBD	2019-2020
1.2.1.2	INTERNAL TRAINING IN COMPETENCES IN THE AREA OF TRAINING		
1.2.1.2.1	INTERNAL TRAINING OF 6 PROGRAMME REPRESENTATIVES IN COMPETENCES IN THE AREA OF TRAINING	WANO MC	2019
1.2.1.3	PARTICIPATE IN DEVELOPMENT OF THE PROGRAMME INDICATORS		
1.2.1.3.1	PARTICIPATE IN DEVELOPMENT OF TRAINING AND DEVELOPMENT PROGRAMME INDICATORS	TBD	2019
1.2.1.4	LEADERSHIP DEVELOPMENT		
1.2.1.4.1	REVIEW THE TRAINEES FEEDBACK QUESTIONNAIRES AND UPDATE MATERIALS FOR LEADERSHIP IN NUCLEAR POWER SEMINAR	WANO MC	2019
1.2.1.4.2	PARTICIPATE IN WORK OF NUCLEAR LEADERSHIP PROGRAMME WORKING GROUP AND REVIEW OF MATERIALS DEVELOPED BY NUCLEAR LEADERSHIP PROGRAMME WORKING GROUP	TBD	2019



No	ACTIVITY	VENUE	TIMING
1.2.1.4.3	PARTICIPATE IN WORK OF SHIFT MANAGER LEADERSHIP WORKING GROUP AND REVIEW OF MATERIALS DEVELOPED BY SHIFT MANAGER LEADERSHIP WORKING GROUP	TBD	2019
1.2.1.5	APPLY THE STRATEGY OF SYSTEM APPROACH TO TRAINING (SAT)		
1.2.1.5.1	PARTICIPATE IN REVIEW OF THE TRAINING GUIDELINE DEVELOPED BY SAT STRATEGY WORKING GROUP	TBD	2019
1.2.2.6	<b>CONDUCT OF SEMINARS, WORKSHOPS AND EXPERT MEETINGS</b>		
	<b>SEMINARS</b>		
1.2.2.6.1	TRAINING SEMINAR GOOD OPERATIONAL DECISION MAKING (ODM) PR PROGRAMME OUTPUT, OFFICIAL LETTER FROM NAEK EA AND RIVNE PLANT	RIVNE PLANT (UKRAINE)	TBD
1.2.2.6.2	TRAINING SEMINAR GOOD OPERATIONAL DECISION MAKING (ODM) PR PROGRAMME OUTPUT, OFFICIAL LETTER FROM REA	LENINGRAD PLANT (RUSSIA)	TBD
1.2.2.6.3	TRAINING SEMINAR PRESENCE OF PLANT MANAGERS IN THE FIELD AS PER THE PLANT PROGRAMME. COACHING PR PROGRAMME OUTPUT, OFFICIAL LETTER FROM NAEK EA AND KHMELNITSKY PLANT	KHMELNITSKY PLANT (UKRAINE)	JULY
1.2.2.6.4	SEMINAR ON PLANT PERFORMANCE INDICATORS PLANT PERFORMANCE INDICATORS PROGRAMME OUTPUT, OFFICIAL LETTER FROM PAKS PLANT	PAKS PLANT (HUNGARY)	SECOND QUARTER
1.2.2.6.5	SEMINAR ON OPERATIONAL EXPERIENCE USE (WITH IAEA) OPERATIONAL EXPERIENCE PROGRAMME OUTPUT	TBD	TBD
	<b>WORKSHOPS</b>		
1.2.2.6.6	OPERATOR'S FUNDAMENTALS (OPERATION FUNDAMENTALS) COMPASS	MOSCOW	FEBRUARY

<b>№</b>	<b>ACTIVITY</b>	<b>VENUE</b>	<b>TIMING</b>
1.2.2.6.7	HETEROGENEOUS WELD JOINTS ON PIPELINES TO STEAM GENERATORS (SCOPE OF SG WELD JOINTS, NDT TESTING METHOD, TESTING PERIODICITY, TYPICAL INDICATIONS (MATERIAL DEFECTS), EXPERIENCE, ANY SPECIFIC TECHNICAL SOLUTIONS/MODIFICATIONS) OFFICIAL LETTER FROM CEZ	DUKOVANY PLANT (CZECH REP.)	18-22 NOVEMBER
1.2.2.6.8	EXPERIENCE EXCHANGE IN USE OF RESULTS OF SELF-ASSESSMENT OF ACTIVITIES AIMED AT OPERATIONAL SAFETY IMPROVEMENT OFFICIAL LETTER FROM KOZLODUY PLANT	KOZLODUY PLANT (BULGARIA)	JUNE
1.2.2.6.9	PROCESS-ORIENTED PLANT GOVERNANCE MODEL AND ORGANIZATIONAL STRUCTURE OFFICIAL LETTER FROM NAEK EA AND SOUTH-UKRAINE PLANT	SOUTH-UKRAINE PLANT (UKRAINE)	NOVEMBER
1.2.2.6.10	EXPERIENCE EXCHANGE IN ELECTRICAL EQUIPMENT AND AUTOMATED PROCESS CONTROL SYSTEMS INCLUDING DEVELOPMENT, OPERATION AND MAINTENANCE OF PLANT UPPER-LEVEL CONTROL SYSTEMS OUTPUT FROM CHIEF ENGINEERS CONFERENCE-2017, OFFICIAL LETTER FROM RASU	MOSCOW (RUSSIA)	TBD
1.2.2.6.11	INFORMATION SECURITY INFORMATION TECHNOLOGIES PROGRAMME OUTPUT	TBD	TBD
1.2.2.6.12	TRANSITION OF NPP EQUIPMENT TO CONDITION-BASED MAINTENANCE OFFICIAL LETTER FROM NAEK EA	TBD	TBD
1.2.2.6.13	OPERATING ORGANIZATION/PLANT INTERACTION PERFORMANCE IMPROVEMENT OFFICIAL LETTER FROM REA	TBD	TBD
1.2.2.6.14	RESULTS OF INSPECTIONS OF REACTOR PRESSURE VESSEL, INTERNALS AND SUPPORTING ELEMENTS METAL	TBD	TBD
	<b>MEETINGS</b>		
1.2.2.6.15	WANO MC TECHNICAL LEADERS/CHIEF ENGINEERS' MEETING	TBD	SEPTEMBER
1.2.2.6.16	MEETING OF REGIONAL EMERGENCY RESPONSE CENTER WORKING GROUP	MOSCOW	TBD
	<b>RESERVE</b>		
1.2.2.6.17	PREPARATION TO DECOMMISSIONING AND DECOMMISSIONING OF PLANT UNITS OFFICIAL LETTERS FROM REA AND VNIIAES (TO BE DECIDED FOLLOWING ELT MEETING)	TBD	1-ST HALF OF THE YEAR

No	ACTIVITY	VENUE	TIMING
1.2.2.6.18	VIBRATION MONITORING AND VIBRATION DIAGNOSTICS FOR ROTOR-TYPE EQUIPMENT. ADVANCED METHODS OF DIAGNOSTICS, PUMP ELEMENT AND VALVE LIFETIME EXTENSION OFFICIAL LETTERS FROM RASU AND VNIIAES	TBD	TBD
1.2.2.6.19	IN-SERVICE INSPECTION OF PLANT EQUIPMENT AND PIPELINE METAL, OPERATIONAL DEFECTS OF PLANT EQUIPMENT AND PIPELINE METAL, THEIR CHARACTERISTIC INDICATIONS AND CAUSES OFFICIAL LETTERS FROM REA AND NAEK EA	TBD	TBD
1.2.2.6.20	EXPERIENCE OF PLANT OPERATION IN THE ENERGY MARKET OFFICIAL LETTER FROM NAEK EA	TBD	TBD
1.2.2.6.21	OPTIMIZATION OF VOLUME OF EXPERIMENTAL MEASUREMENTS OF CORE NEUTRON AND PHYSICAL CHARACTERISTICS OFFICIAL LETTER FROM NAEK EA	TBD	TBD
1.2.2.6.22	EXPERIENCE EXCHANGE IN STRATEGY OF IVMR (IN-VESSEL MELT RETENTION) OFFICIAL LETTER FROM NAEK EA	TBD	TBD
1.2.2.6.23	SURVEILLANCE PROGRAM (A COMPLEX PROGRAM ON SUPERVISION AND CONTROL OVER PERFORMANCE AND CONDITION OF DETERMINED TECHNOLOGICAL SYSTEMS TO FULFIL DB SAFETY FUNCTIONS— MONITORING, ASSESSMENT, EVALUATION, OPTIMIZATION) OFFICIAL LETTER FROM CEZ	TBD	TBD
1.2.2.7	<b>TRAINING COURSES IN LEADERSHIP FOR MIDDLE-LEVEL LEADS</b>		
1.2.2.7.1	TRAINING SEMINAR LEADERSHIP IN NUCLEAR POWER PR PROGRAMME OUTPUT, OFFICIAL LETTER FROM BUSHEHR PLANT	BUSHEHR PLANT (IRAN)	20-23 JANUARY
1.2.2.7.2	TRAINING SEMINAR LEADERSHIP IN NUCLEAR POWER PR PROGRAMME OUTPUT, OFFICIAL LETTERS FROM BOHUNICE AND MOCHOVCE PLANTS	BOHUNICE PLANT (SLOVAKIA)	MARCH
1.2.2.7.3	TRAINING SEMINAR LEADERSHIP IN NUCLEAR POWER PR PROGRAMME OUTPUT, OFFICIAL LETTERS FROM REA AND BALAKOVO PLANT	BALAKOVO PLANT (RUSSIA)	APRIL

No	ACTIVITY	VENUE	TIMING
1.2.2.7.4	TRAINING SEMINAR LEADERSHIP IN NUCLEAR POWER PR PROGRAMME OUTPUT, OFFICIAL LETTERS FROM NAEK EA AND ZAPORIZHYE PLANT	ZAPORIZHYE PLANT (UKRAINE)	SECOND HALF OF MAY
1.2.2.8	<b>NEW UNITS ASSISTANCE</b>		
1.2.2.8.1	ORGANIZATION AND CONDUCT OF WORKS ON OPENED EQUIPMENT. FOREIGN MATERIALS EXCLUSION. OFFICIAL LETTER FROM BELARUSIAN PLANT	BELARUSIAN PLANT (BELARUS)	TBD
1.2.2.8.2	PREPARATION FOR PLANT OPERATIONS. RECRUITING, SELECTION AND TRAINING LETTER FROM ПАКШ II	HUNGARY	MAY
1.2.2.9	<b>PARTICIPATION IN SEMINARS AND WORKSHOPS OF OTHER RCs</b>		
1.2.2.9.1	PARTICIPATION IN SEMINARS AND WORKSHOPS: <ul style="list-style-type: none"> <li>• WANO LONDON OFFICE (NO MORE THAN 2 PERSONS FOR 5 DAYS)</li> <li>• WANO PARIS CENTER (NO MORE THAN 2 PERSONS FOR 5 DAYS)</li> <li>• WANO TOKYO CENTER (NO MORE THAN 2 PERSONS FOR 5 DAYS)</li> <li>• WANO ATLANTA CENTER (NO MORE THAN 2 PERSONS FOR 5 DAYS)</li> </ul>	OFFICE OR ONE OF RC PLANTS VENUE TO BE CONFIRMED	TO BE CONFIRMED
1.2.2.9.2	PARTICIPATION IN SEMINARS/WORKSHOPS IN EMERGENCY PREPAREDNESS: <ul style="list-style-type: none"> <li>• WANO LONDON OFFICE (ONCE PER YEAR, 5 DAYS)</li> <li>• WANO PARIS CENTER (ONCE PER YEAR, 5 DAYS)</li> <li>• WANO TOKYO CENTER (ONCE PER YEAR, 5 DAYS)</li> <li>• WANO ATLANTA CENTER (ONCE PER YEAR, 5 DAYS)</li> </ul>	OFFICE OR ONE OF TC/PC/AC PLANTS VENUE TO BE CONFIRMED	TO BE CONFIRMED

### 1.2.3. MEMBER SUPPORT MISSION PROGRAMME (MSM)

#### TARGET:

- *Systematically use member support missions to remove deficiencies in the area of plant safe and reliable operations.*
- *For each plant, there is a plan and a strategy that set links between operational gaps and topics of the related support missions. If these gaps are noted at more than one site of the operator, then WANO will conduct a required training course for personnel of the said operator in order to assist all the plants where similar problems exist.*
- *Annually each center is to assess the support mission performance.*
- *Following each peer review, a need in assistance is to be discussed regularly.*

№	ACTIVITY	VENUE	TIMING
1.2.3.1	NEW UNITS SUPPORT - 8		
1.2.3.1.1.	ENGINEER SUPPORT STRATEGIES	BELARUSIAN PLANT	19-23 AUGUST
1.2.3.1.2.	SOER RECOMMENDATIONS	BELARUSIAN PLANT	13-17 MAY
1.2.3.1.3.	OPERATIONAL READINESS ASSESSMENT, ORA (AV) (1-2 INTERPRETERS REQUIRED)	LENINGRAD PLANT 5,6	FEBRUARY - MARCH
1.2.3.1.4.	CHEMISTRY EQ.1	LENINGRAD PLANT 5,6	NOVEMBER
1.2.3.1.5.	OPERATIONAL READINESS ASSESSMENT, ORA (AV)	TIANWAN PLANT 5	DECEMBER
1.2.3.1.6.	MONITORING AND REGISTRATION OF PARAMETERS DURING UNIT START-UP	MOCHOVCE PLANT 3,4	SEPTEMBER
1.2.3.1.7.	IMPLEMENTATION OF START-UP-RELATED FIRE SAFETY STANDARDS	MOCHOVCE PLANT 3,4	2019
1.2.3.1.8	RESERVE	NOVOVORONEZH II	2019
1.2.3.2	IMPROVE INTER-REGIONAL SUPPORT (PARTICIPATION OF MC EXPERTS IN MSMs AT OTHER RCs, INVOLVEMENT OF EXPERTS FROM OTHER RCs TO MC ORGANIZED MSMs)		2019
1.2.3.3.	DEVELOP MSM PROGRAMME INDICATORS		2019

<b>№</b>	<b>ACTIVITY</b>	<b>VENUE</b>	<b>TIMING</b>
1.2.3.4.	CONDUCT SUPPORT MISSIONS AIMED AT REMOVAL OF AFIs IDENTIFIED DURING PRS		2019
1.2.3.5.	ORGANIZE AND CONDUCT SUPPORT MISSIONS (EXPERT OR TRAINING TYPES) NUMBER OF MISSIONS – 35		
1.2.3.5.1.	FIELD OBSERVATIONS	BELOYARSK PLANT	2019
1.2.3.5.2.	SAFETY CULTURE (AV)	BELOYARSK PLANT	2019
1.2.3.5.3.	CONFIGURATION MANAGEMENT	BOHUNICE PLANT	2-ND HALF OF THE YEAR
1.2.3.5.4.	OPERATIONAL RISKS (OF.2-1)	MOCHOVCE PLANT	MAY
1.2.3.5.5.	OBSERVATIONS OVER PERSONNEL ACTIONS, AND TARGET BRIEFINGS (OR.1-1, HU.1-1)	SMOLENSK PLANT	QUARTER 3
1.2.3.5.6.	RESERVE ACTIVITY FOLLOWING PR RESULTS	ATOMFLOT	2019
1.2.3.5.7.	LEADERSHIP	BILIBINO PLANT	JUNE-JULY
1.2.3.5.8.	IN-SERVICE INSPECTION OF IMPURITIES (SULFUR AND HALOGENS CONTENT) IN MATERIALS USED FOR METAL INSPECTIONS (CY.1-1)	KOLA PLANT	MARCH
1.2.3.5.9.	LEADERSHIP FUNDAMENTALS. HUMAN PERFORMANCE AND HUMAN FACTOR	KOLA PLANT	23-27 APRIL
1.2.3.5.10.	OPERATION OF FIRE-RESISTANT OILS IN PLANT TURBINE EQUIPMENT OIL SYSTEMS	KALININ PLANT	13-17 MAY
1.2.3.5.11.	EFFICIENT DECISION MAKING (OP.1-1)	KALININ PLANT	2019
1.2.3.5.12.	RESERVE FOLLOWING PR RESULTS	KALININ PLANT	2019
1.2.3.5.13.	LEADERSHIP AT AER SUBSIDIARY (CO.1-2)	ATOMENERGOREMONT	QUARTER 1
1.2.3.5.14.	MANAGERS IN THE FIELD AND WORK OBSERVATIONS (OP.1-1)	ZAPORIZHYE PLANT	21-25 NOVEMBER

<b>№</b>	<b>ACTIVITY</b>	<b>VENUE</b>	<b>TIMING</b>
1.2.3.5.15.	RESERVE FOLLOWING PR RESULTS	LENINGRAD PLANT	MARCH
1.2.3.5.16.	SAFETY BRIEFINGS FOR MAINTENANCE ACTIVITIES UNDER WORK PERMITS AND ACTIVITIES PRIOR TO OPERATIONAL SWITCHINGS	KOZLODUY PLANT	MARCH
1.2.3.5.17.	GOOD OPERATIONAL DECISION MAKING	ROSENERGOATOM	MAY
1.2.3.5.18.	MANAGERS IN THE FIELD	ROSENERGOATOM	2019
1.2.3.5.19.	REGULATIONS, VIBRATION MONITORING, AND ASSURANCE OF REQUIRED VIBRATIONAL CONDITIONS OF PLANT TURBINE GENERATOR SETS	ROSENERGOATOM	SEPTEMBER
1.2.3.5.20.	KEY PERFORMANCE INDICATORS	ROSENERGOATOM	QUARTER 2
1.2.3.5.21.	RESERVE	BUSHEHR PLANT	2019
1.2.3.5.22.	RESERVE	BUSHEHR PLANT	2019
1.2.3.5.23.	SPECIFICITY OF ELECTRICITY PRODUCTION REGULATION (COMMERCIAL DISPATCHING), AND MAIN RISKS RELATED TO PLANT OPERATIONS AND SAFETY IN CONDITIONS OF LIBERATED (DE-REGULATED) ELECTRICITY MARKET	SOUTH-UKRAINE PLANT	APRIL
1.2.3.5.24.	RESERVE FOLLOWING PR RESULTS	SOUTH-UKRAINE PLANT	SEPTEMBER
1.2.3.5.25.	PLANT CONDITION MONITORING AND ANALYSIS	KURSK PLANT	APRIL
1.2.3.5.26.	OPERATIONS PERSONNEL LEADERSHIP	TIANWAN PLANT	DECEMBER
1.2.3.5.27.	FUNDAMENTALS IN THE AREA OF ENGINEER-AND-TECHNICAL SUPPORT	NOVOVORONEZH PLANT	MAY
1.2.3.5.28.	METHODS OF MAINTENANCE OF CHEMISTRY PARAMETERS IN THE SERVICE WATER SUPPLY SYSTEM, REMOVAL OF CARBONATE DEPOSITS FROM THE HEAT-EXCHANGING EQUIPMENT	NOVOVORONEZH PLANT	QUARTER 4
1.2.3.5.29.	RESERVE (1 INTERPRETER REQUIRED)	KUDANKULAM PLANT	QUARTER 2

<b>№</b>	<b>ACTIVITY</b>	<b>VENUE</b>	<b>TIMING</b>
1.2.3.5.30.	RESERVE (1 INTERPRETER REQUIRED)	KUDANKULAM PLANT	QUARTER 3
1.2.3.5.31.	RESERVE (1 INTERPRETER REQUIRED)	KUDANKULAM PLANT	QUARTER 4
1.2.3.5.32.	NSF LONG-TERM DRY STORAGE	CHERNOBYL PLANT	2019
1.2.3.5.33.	LEADERSHIP (CO.1-0), (1 INTERPRETER REQUIRED)	NPPD	QUARTER 1
1.2.3.5.34.	EFFICIENT IMPLEMENTATION AND IMPROVEMENT OF OPERATIONAL DECISIONS (CO.1-1), (1 INTERPRETER REQUIRED)	NPPD	QUARTER 3
1.2.3.5.35.	RISK MANAGEMENT	ATOMTECHENERGO	QUARTER 3/4
1.2.3.5.36.	RESERVE FOLLOWING FPR RESULTS	RIVNE PLANT	2019
1.2.3.6.	ORGANIZE AND CONDUCT ASSIST VISITS (AV) - 8		
1.2.3.6.1.	SAFETY CULTURE STATUS ASSESSMENT AND IMPROVEMENT (AV)	BALAKOVO PLANT	FEBRUARY
1.2.3.6.2.	SAFETY CULTURE STATUS DIAGNOSTICS AND IMPROVEMENT (AV)	ROSTOV PLANT	16-20 SEPTEMBER
1.2.3.6.3.	IDENTIFICATION AND REMOVAL OF OPERATIONAL ISSUES (AV) (OF.1-1)	SMOLENSK PLANT	QUARTER 2
1.2.3.6.4.	WALK-DOWNS OF EQUIPMENT, BUILDINGS AND FACILITIES. IDENTIFICATION AND REMOVAL OF COMMENTS AND DEVIATIONS FOLLOWING WALK-DOWN RESULTS (AV) (OR.2-1 OF.1-1)	ARMENIAN PLANT	FEBRUARY
1.2.3.6.5.	SC ASSESSMENT AT AER SUBSIDIARY (AV)	ATOMENERGOREMONT	2019
1.2.3.6.6.	RESERVE FOR SELECTION AND TRAINING OF MANAGERS OF FOREMEN AND SENIOR FOREMEN LEVELS (AV)	ATOMENERGOREMONT	2019
1.2.3.6.7.	QUALITY SUPERVISION AND CONTROL FOR CONTRACTED ENGINEER ACTIVITIES (AV)	DUKOVANY PLANT	2019
1.2.3.7.	ORGANIZE AND CONDUCT BENCHMARKING VISITS, NUMBER OF BENCHMARKING ACTIVITIES - 44		



No	ACTIVITY	VENUE	TIMING
1.2.3.7.1	EQUIPMENT TECHNICAL CHARACTERISTICS AND RELIABILITY	MOCHOVCE PLANT	MAY-JUNE
1.2.3.7.2	ORGANIZATION OF SEPARATED COLLECTION, PROCESSING AND DISPOSAL OF HOUSEHOLD AND PRODUCTION-RELATED NON-RADIOACTIVE WASTE AT EUROPEAN PLANTS (SWEDISH PLANT)	ROSENERGOATOM	JUNE-JULY
1.2.3.7.3	OPERATIONAL AND MAINTENANCE DOCUMENTATION MANAGEMENT	SMOLENSK PLANT	QUARTER 2
1.2.3.7.4	INTERNAL (INDEPENDENT) INSPECTIONS; DEVELOPMENT OF INSPECTION ASSESSMENT CRITERIA AND RESULTS REVIEW	KOLA PLANT	QUARTER 2
1.2.3.7.5	RADIATION SAFETY AND RADWASTE MANAGEMENT REGIME (RIVNE PLANT)	ARMENIAN PLANT	MAY-OCTOBER
1.2.3.7.6	MAINTENANCE DURATION OPTIMIZATION DUE TO HIGH QUALITY OF WORKS BEING PERFORMED (TAINWAN PLANT)	ATOMENERGOREMONT	2019
1.2.3.7.7	RISK MANAGEMENT AT RADWASTE AND SOURCE RELATED OPERATIONS (KALININ PLANT)	ATOMENERGOREMONT	AUGUST
1.2.3.7.8	CALCULATION OF INTEGRATED CHEMISTRY INDICATOR, AND EXPERIENCE IN USE AT PLANTS (KOZLODUY PLANT)	KALININ PLANT	QUARTER 3-4
1.2.3.7.9	PRACTICE OF PREVENTION OF INGRESS OF PAINTING COATING TO FP AND GA201 TANK	ZAPORIZHYE PLANT	APRIL-JUNE
1.2.3.7.10	METHOD OF ASSESSMENT OF IMPACT FROM TEMPORARY MODIFICATION UPON SAFETY. RISK MONITORING FOR TEMPORARY MODIFICATIONS	ZAPORIZHYE PLANT	NOVEMBER 2019
1.2.3.7.11	SAFETY-RELATED SOFTWARE CONFIGURATION MANAGEMENT	KOZLODUY PLANT	2019
1.2.3.7.12	SAFETY-RELATED EQUIPMENT QUALIFICATION	KOZLODUY PLANT	2019
1.2.3.7.13	INFORMATION SYSTEMS RELATED TO AGEING MANAGEMENT ACTIVITIES	KOZLODUY PLANT	2019
1.2.3.7.14	USE OF RISK-ORIENTED APPROACH DURING PLANT MAINTENANCE ACTIVITIES	ROSENERGOATOM	QUARTER 2

No	ACTIVITY	VENUE	TIMING
1.2.3.7.15	MAINTENANCE AND REPAIRS SYSTEM. USE OF INFORMATION SYSTEMS FOR PLANNING AND CONDUCT OF MAINTENANCE CAMPAIGNS (KUDANKULAM PLANT)	ROSENERGOATOM	QUARTER 2
1.2.3.7.16	SAFETY CULTURE ASSESSMENT AND MONITORING (SLOVENSKE ELEKTRARNE)	ROSENERGOATOM	AUGUST-SEPTEMBER
1.2.3.7.17	MONITORING AND HOUSE-KEEPING OF HEAT-EXCHANGING EQUIPMENT, SPECIFIED TEMPERATURE DIFFERENCES AT HEAT-EXCHANGING EQUIPMENT INCLUDING TURBINE CONDENSERS	ROSENERGOATOM	JUNE
1.2.3.7.18	IN-SERVICE INSPECTIONS OF PLANT EQUIPMENT AND PIPELINE METAL	ROSENERGOATOM	APRIL
1.2.3.7.19	OPERATIONAL EXPERIENCE/CORRECTIVE ACTION PLAN INCLUDING ROOT CAUSE ANALYSIS (EDF ENERGY)	PAKS PLANT	QUARTER 1
1.2.3.7.20	MCR OPERATORS COMMUNICATION, BASIC AND SIMULATOR TRAINING OF OPERATING PERSONNEL (KALININ PLANT, WITHIN TWINING)	BUSHEHR PLANT	QUARTER 1
1.2.3.7.21	RESERVE	BUSHEHR PLANT	2019
1.2.3.7.22	EFFICIENT DEVELOPMENT OF PROCESS: AUTOMATED PROCESS CONTROL SYSTEM OPERATIONAL EXPERIENCE AT ALL LIFETIME STAGES (ATOMTECHENERGO)	RASU	2019
1.2.3.7.23	SAFETY CULTURE INTEGRATION INTO COMPANY MANAGEMENT SYSTEM (SLOVENSKE ELEKTRARNE)	RASU	2019
1.2.3.7.24	PERSONNEL QUALIFICATION IMPROVEMENT PROGRAMME (INDUSTRY PROFESSIONAL WORKFORCE)	TEMELIN PLANT	FEBRUARY
1.2.3.7.25	IMPROVED EFFICIENCY OF CORRECTIVE ACTIONS PLAN (HEYSHAM NPP/EDF ENERGY)	CEZ	APRIL
1.2.3.7.26	RADIATION PROTECTION	KURSK PLANT	OCTOBER
1.2.3.7.27	OPERATOR'S ERROR PREVENTION SYSTEM (FOR MRC CREW)	KHMELNITSKY PLANT	QUARTER 1

№	ACTIVITY	VENUE	TIMING
1.2.3.7.28	USE OF LABORATORY AUTOMATED CHEMISTRY CONTROL FOR MEASUREMENTS OF HYDROGEN AND OXYGEN, AND TOTALITY OF PRIMARY CIRCUIT ALKALI ELEMENTS	KHMELNITSKY PLANT	QUARTER 2
1.2.3.7.29	SECONDARY WATER CHEMISTRY REGIMES AND SERVICE WATER SUPPLY SYSTEMS	RIVNE PLANT	2019
1.2.3.7.30	EXPERIENCE IN IMPLEMENTATION, ASSURANCE OF SAFETY AND RELIABILITY DURING OPERATION OF PLANT UNITS UNDER PRIMARY FREQUENCY CONTROL	ENERGOATOM	QUARTER 2
1.2.3.7.31	EXPERIENCE IN IMPLEMENTATION, ASSURANCE OF SAFETY AND RELIABILITY DURING OPERATION OF PLANT UNITS UNDER DAILY PLANT POWER REGULATION	ENERGOATOM	QUARTER 3
1.2.3.7.32	STUDY OF BEST PRACTICES IN VVER-1000 RADWASTE MANAGEMENT	ENERGOATOM	15-19 APRIL
1.2.3.7.33	EXCHANGE OF INTERNATIONAL EXPERIENCE WITH LEADING SPECIALISTS IN THE AREA OF SEVERE ACCIDENT MANAGEMENT AND SEVERE ACCIDENT PHENOMENA RESEARCH FOR VVER BB3P-440	ENERGOATOM	MAY
1.2.3.7.34	EXCHANGE OF INTERNATIONAL EXPERIENCE IN THE AREA OF SEVERE ACCIDENT MANAGEMENT IN TERMS OF POTENTIAL CORE MELT-DOWN LOCALIZATION WITHIN VVER-1000 RPV	ENERGOATOM	SEPTEMBER
1.2.3.7.35	PLANT ELEMENT AND STRUCTURE AGEING MANAGEMENT PRACTICE	ENERGOATOM	AUGUST-OCTOBER
1.2.3.7.36	EQUIPMENT PROTECTION, AND FOREIGN MATERIALS EXCLUSION MANAGEMENT DURING DESIGNING AND PUTTING THE NEW UNIT INTO OPERATION	TIANWAN PLANT	2019
1.2.3.7.37	PIPELINE VIBRATION MONITORING	TIANWAN PLANT	JUNE
1.2.3.7.38	PLANT AGEING MANAGEMENT AND LIFETIME MANAGEMENT	TIANWAN PLANT	JULY
1.2.3.7.39	VISIT OF PAKS II PHYSICISTS TO LENINGRAD II FOR PARTICIPATION IN UNIT STARTUP ACTIVITIES	PAKS II	2019
1.2.3.7.40	EQUIPMENT CHARACTERISTICS AND CONDITIONS	KURSK PLANT	NOVEMBER

<b>№</b>	<b>ACTIVITY</b>	<b>VENUE</b>	<b>TIMING</b>
1.2.3.7.41	ORGANIZATION OF SEPARATED COLLECTION, PROCESSING AND DISPOSAL OF HOUSEHOLD AND PRODUCTION-RELATED NON-RADIOACTIVE WASTE AT EUROPEAN PLANTS	SMOLENSK PLANT	JULY
1.2.3.7.42	WORKS ON OPENED EQUIPMENT (TEMELIN PLANT) (TRANSFERRED FROM 2018)	ATOMENERGOREMONT	2019
1.2.3.7.43	ENERGY MARKET AND PLANTS IN THIS MARKET	RIVNE PLANT	FEBRUARY – APRIL
1.2.3.7.44	ORGANIZATION AND CONDUCT OF WORKS AT PUTTING THE PLANT INTO OPERATION	ROSENERGOATOM	2019

#### 1.2.4. PERFORMANCE ANALYSIS PROGRAMME

**TARGET:** *Collect and distribute the information on performance indicators, which would allow the plants set significant objectives, monitor and measure the performance indicators, and compare own work with the best industrial performers.*

##### MEASURES FOR ACCOMPLISHING THE TASK:

IMPROVE EFFICIENCY OF THE DATA COLLECTION BY IMPROVING THE REPORTS AND UPDATING THE OPERATIONAL INDICATOR DEFINITIONS WHEN 95% OF THE PLANT UNITS SUBMIT HIGH-QUALITY DATA FOR ALL OPERATIONAL INDICATORS.

No	ACTIVITY	VENUE	TIMING
1.2.4.1	DEVELOP NEW PLANT INDICATORS AND UPDATE THEM	ALL RCs+LO	
1.2.4.1.1	COLLECT AND REVIEW INFORMATION ON INDICATORS, 4 TIMES A YEAR	WANO MOSCOW CENTER	2019
1.2.4.2	IMPLEMENT CONTINUOUS PERFORMANCE REVIEW SYSTEM	ALL RCs+LO	
1.2.4.2	COLLECT AND REVIEW PLANT INDICATORS	WANO MOSCOW CENTER	2019
1.2.4.2.1	REVIEW AND UPDATE DATA IN DES SYSTEM, 4 TIMES A YEAR	WANO MOSCOW CENTER	
1.2.4.3	PREPARE DATA ON INDICATORS PRIOR TO A PEER REVIEW, NUMBER OF ACTIVITIES – 7	WANO MOSCOW CENTER	
1.2.4.3.1	PREPARE DATA ON INDICATORS PRIOR TO A PEER REVIEW AT LOVIISA PLANT	WANO MOSCOW CENTER	2019
1.2.4.3.2	PREPARE DATA ON INDICATORS PRIOR TO A PEER REVIEW AT TIANWAN PLANT	WANO MOSCOW CENTER	2019
1.2.4.3.3	PREPARE DATA ON INDICATORS PRIOR TO A PEER REVIEW AT BALAKOVO PLANT	WANO MOSCOW CENTER	2019
1.2.4.3.4	PREPARE DATA ON INDICATORS PRIOR TO A PEER REVIEW AT TEMELIN PLANT	WANO MOSCOW CENTER	2019
1.2.4.3.5	PREPARE DATA ON INDICATORS PRIOR TO A PEER REVIEW AT KHMELNITSKY PLANT	WANO MOSCOW CENTER	2019
1.2.4.3.6	PREPARE DATA ON INDICATORS PRIOR TO A PEER REVIEW AT BILIBINO PLANT	WANO MOSCOW CENTER	2019
1.2.4.3.7	PREPARE DATA ON INDICATORS PRIOR TO A PEER REVIEW AT BUSHEHR PLANT	WANO MOSCOW CENTER	2019

No	ACTIVITY	VENUE	TIMING
1.2.4.3.8	PREPARE PLANT SHORT-TIME ASSESSMENTS IN TERMS OF INDICATORS, FOR MSMs, AT LEAST 3 TIMES A YEAR	WANO MOSCOW CENTER	2019
1.2.4.3.9	CARRY OUT COMPARATIVE ANALYSIS, ALONG WITH OE GROUP, TO COMPARE DATA, AT LEAST 2 TIMES A YEAR	WANO MOSCOW CENTER	2019
1.2.4.3.10	REVIEW WANO MC INDICATORS, 4 TIMES A YEAR	WANO MOSCOW CENTER	2019
1.2.4.3.11	ISSUE THE INDICATORS ANNUAL REPORT	WANO MOSCOW CENTER	2020
1.2.4.3.12	IDENTIFY THE PLANTS THAT NEED SUPPORT, 4 TIMES A YEAR	WANO MOSCOW CENTER	2019
1.2.4.3.13	CONDUCT WORKING MEETINGS ON THE SITES THAT NEED SUPPORT WITHIN THE PROGRAMME, 2 TIMES A YEAR	WANO MOSCOW CENTER	2019
1.2.4.3.14	CONDUCT COMPARATIVE ANALYSIS FOR PLANT AND COMPANY INDICATORS, 4 TIMES A YEAR	WANO MOSCOW CENTER	2019
1.2.4.3.15	PARTICIPATE IN IAEA/WANO WORKING MEETING	IAEA	2019
1.2.4.3.16	INTERACT WITH OTHER REGIONAL CENTERS AND LONDON OFFICE FOR INDICATORS	WANO MOSCOW CENTER	2019
1.2.4.3.17	PARTICIPATE IN WANO MC PROCESS OF IDENTIFYING THE INTERFACE CATEGORIES AND SUPPORT LEVELS	WANO MOSCOW CENTER	2019
1.2.4.3.18	PARTICIPATE IN WANO PERFORMANCE INDICATORS WORKING GROUP, 2 TIMES A YEAR	WANO MOSCOW CENTER, LONDON OFFICE	2019

#### 1.2.4.4. ANALYSIS OF PLANT INDICATOR TRENDS

*Measures for accomplishing the task:*

*Performance indicators demonstrate success in achieving the world's targets for the key safety indicators established for the six-year period.*

№	ACTIVITY	VENUE	TIMING
1.2.4.4.1	CONDUCT ANALYSIS OF ACHIEVING THE PLANT INDICATOR TARGETS, AT LEAST 4 TIMES A YEAR	WANO MOSCOW CENTER	2019
1.2.4.4.2	PREPARE DATA FOR WANO MEMBERS, AT LEAST 4 TIMES A YEAR	WANO MOSCOW CENTER	2019

#### 1.2.4.5. ANALYSIS AND IMPLEMENTATION OF FEEDBACK FROM MEMBERS WITHIN PERFORMANCE ANALYSIS PROGRAMME

№	ACTIVITY	VENUE	TIMING
1.2.4.5.1	REVIEW THE EXISTING FEEDBACK MECHANISMS WITHIN THE PROGRAMME IN LO AND RCs, CHECK CONSISTENCY AND SCREEN THE GOOD PRACTICES	ALL RCs+LO	2019

#### 1.2.4.6. DEVELOPMENT OF PERFORMANCE ANALYSIS PROCEDURE

No	ACTIVITY	VENUE	TIMING
1.2.4.6.1	DEVELOP METHODOLOGY TO DESCRIBE THE PERFORMANCE ANALYSIS PROCESS IN LO AND RCS. SPECIAL ATTENTION TO BE PAID ON EXPECTED RESULTS OF CONTINUOUS MONITORING PROCESS. DISCUSS IT WITH RCS AND APPROVE IT WITH ELT.	ALL RCS+LO	2019
1.2.4.6.2	ENSURE CLEAR ROLE FUNCTION OF THE WANO REPRESENTATIVES IN THIS PROCESS AND DESCRIBE THIS. [ATTENTION: THIS IS PART OF ACTION 1.1.3]	ALL RCS+LO	
1.2.4.6.3	DEVELOP APPROPRIATE INDICATORS FOR THE PURPOSE OF PLANT PERFORMANCE QUALITY MONITORING (CAN BE THE SAME AS THE EXISTING INDICATORS, I.E. IT IS NECESSARY TO ASSESS NECESSITY OF NEW INDICATORS, E.G. SUBMISSION OF EVENT REPORTS).	ALL RCS+LO	

#### 1.2.4.7. PARTICIPATION IN DEVELOPMENT, AND MONITORING OF ACTIONS PLANS FOLLOWING RESULTS OF MONITORING ANALYSIS

No	ACTIVITY	VENUE	TIMING
1.2.4.7.1	DISCUSS AND DEVELOP ACTIONS PLAN	WANO MOSCOW CENTER	2019



### 1.2.4.8. PLANT EVENT DATA COLLECTION AND ANALYSIS

#### 1.2.4.8.1. COLLECTION, ANALYSIS AND DISSEMINATION OF OPERATIONAL EXPERIENCE

##### TARGET:

EVENT REPORTS BEING ISSUED UNDER THE OPERATIONAL EXPERIENCE PROGRAMME SHOULD BE OF HIGH QUALITY, OF APPROPRIATE VOLUME AND BE TIMELY SUBMITTED, I.E. COLLECTION, ANALYSIS AND DISSEMINATION OF OPERATIONAL EXPERIENCE.

TO ACCOMPLISH THIS TASK IT IS NECESSARY TO:

TIMELY COLLECT AND SHARE INFORMATION ON EVENTS AND OTHER OPERATIONAL EXPERIENCE IN ORDER TO ENSURE FULFILLMENT OF THE TARGET REPORTING INDICATORS SPECIFIED IN OE PROGRAMME GUIDELINE IN ALL THE REGIONS ACCORDING TO THE ESTABLISHED CRITERIA - Version 8 MN 01 of WANO guideline for OE sub-programme.

No	ACTIVITY	VENUE	TIMING
1.2.4.8.1.1	ISSUE MC EVENT REPORTS AS PER WANO CRITERIA	WANO MOSCOW CENTER	2019
1.2.4.8.1.2	ISSUE EARLY EVENT REPORTS AS PER WANO CRITERIA	WANO MOSCOW CENTER	2019
1.2.4.8.1.3	PREPARE ANALYTICAL MATERIALS ON REPORTS FROM OTHER REGIONAL CENTERS	WANO MOSCOW CENTER	2019
1.2.4.8.1.4	PARTICIPATE, TOGETHER WITH OE MAIN GROUP, IN PREPARATION OF REPORTS ON: <ul style="list-style-type: none"> <li>SIGNIFICANT OPERATIONAL EXPERIENCE (SOER), (35-40 PAGES)</li> <li>SIGNIFICANT EVENTS (SER), (25-30 PAGES)</li> <li>JUST-IN-TIME REPORTS (JIT), (2-3 PAGES)</li> <li>OE ANNUAL REPORT (30-40 PAGES)</li> <li>BRIEF REPORTS ON KEY EVENTS AND TRENDS (CEO UPDATE), (1-2 PAGES)</li> <li>OE DATA ON HOT TOPICS (HOT TOPICS) (10-15 PAGES)</li> <li>MATERIALS FOR PACKAGE OF BRIEF INFORMATION ON EVENTS AT OUTSIDE PLANTS (MONTHLY DEMAND – 50 PAGES)</li> </ul> WITH FURTHER TRANSLATION INTO RUSSIAN	WANO MOSCOW CENTER	2019

<b>№</b>	<b>ACTIVITY</b>	<b>VENUE</b>	<b>TIMING</b>
1.2.4.8.1.5	PREPARE OE MATERIALS IN RUSSIAN/ENGLISH TO BE DISTRIBUTED AMONG WANO MC MEMBERS	WANO MOSCOW CENTER	2019
1.2.4.8.1.6	PREPARE OE MATERIALS FOR PEER REVIEWS	WANO MOSCOW CENTER	2019
1.2.4.8.1.7	PREPARE OE MATERIALS FOR MSMs	WANO MOSCOW CENTER	2019
1.2.4.8.1.8	CONDUCT JOINT ANALYSIS TOGETHER WITH MC PERFORMANCE INDICATORS PROGRAMME	WANO MOSCOW CENTER	2019
1.2.4.8.1.9	TRAIN EXPERTS IN OE	WANO MOSCOW CENTER	2019
1.2.4.8.1.10.	DEVELOP AND IMPLEMENT ACTIONS FOLLOWING RESULTS OF SELF-ASSESSMENT-2018	WANO MOSCOW CENTER	2019
1.2.4.8.1.11	PREPARE AND ISSUE OE ANNUAL REPORT-2018	WANO MOSCOW CENTER	MARCH 2019

#### **1.2.4.9. REVIEW OF SOER RECOMMENDATION FULFILLMENT**

<b>№</b>	<b>ACTIVITY</b>	<b>VENUE</b>	<b>TIMING</b>
1.2.4.9.1	TRAIN EXPERTS IN THE AREA OF SOER RECOMMENDATION REVIEW, AND PARTICIPATE IN SOER REVIEW	WANO MOSCOW CENTER	2019
1.2.4.9.2	REGULARLY UPDATE AND CHECK SITS DATABASE STATUS	WANO MOSCOW CENTER	2019

#### **1.2.4.10. DEVELOPMENT OF ESCALATION PROCEDURE FOR SILENT UNITS**

<b>№</b>	<b>ACTIVITY</b>	<b>VENUE</b>	<b>TIMING</b>
1.2.4.10.1	FOR RCs THAT DETECTED GAPS: DEVELOP ACTIONS PLAN TO REMOVE GAPS (TO BE APPROVED BY ELT)	WANO MOSCOW CENTER	2019
1.2.4.10.2	START IMPLEMENTING THE ACTIONS PLAN TO REMOVE GAPS	WANO MOSCOW CENTER	2019

#### 1.2.4.11. SCREENING AND DISSEMINATION OF SIGNIFICANT EVENT RELATED INFORMATION IN OTHER CENTERS

№	ACTIVITY	VENUE	TIMING
1.2.4.11.1	FOR RCS THAT DETECTED GAPS: DEVELOP ACTIONS PLAN TO REMOVE GAPS (TO BE APPROVED BY ELT)	WANO MOSCOW CENTER	2019
1.2.4.11.2	START IMPLEMENTING THE ACTIONS PLAN TO REMOVE GAPS	WANO MOSCOW CENTER	2019

#### 1.2.4.12. PLANT REQUESTS

№	ACTIVITY	VENUE	TIMING
1.2.4.12.1	ANNUALLY COLLECT AND DISTRIBUTE INFORMATION ON SIGNIFICANT EVENT RELATED INFORMATION IN OTHER CENTERS	WANO MOSCOW CENTER	2019
1.2.4.12.2	PREPARE MATERIALS ON SIGNIFICANT EVENTS IN OTHER CENTERS IN RUSSIAN ENGLISH FOR DISTRIBUTION AMONG MC MEMBERS	WANO MOSCOW CENTER	2019

#### 1.2.4.13. WANO TO DEVELOP AND ISSUE HIGH-QUALITY OE DOCUMENTS, AND TO TIMELY INFORM ITS MEMBERS OF SIGNIFICANT ISSUES

No	ACTIVITY	VENUE	TIMING
1.2.4.13.1.	CONDUCT ANALYSIS OF QUALITY OF SUBMITTED REPORTS	WANO MOSCOW CENTER	2019
1.2.4.13.2.	REVIEW REPEATED EVENTS –REVIEW PERIODICALLY AND REVIEW AS REQUESTED BY MEMBERS	WANO MOSCOW CENTER	2019
1.2.4.13.3.	UPDATE AND MODIFY WANO MC GUIDELINE ON OE – TOGETHER WITH LO AND OTHER CENTERS	WANO MOSCOW CENTER	2019
1.2.4.14.4.	PARTICIPATE IN UPDATING OF WANO GUIDELINE, I.E. WPG 02, - TOGETHER WITH LO AND OTHER CENTERS	WANO MOSCOW CENTER	2019
1.2.4.14.5.	PARTICIPATE IN WORKING GROUPS FOR INTERNAL ON-LINE SIGNIFICANT AND IMPORTANT EVENT REPORT SYSTEM AND FOR EMERGENCY RESPONSE SYSTEM AS DECIDED BY ELT	WANO MOSCOW CENTER	2019

### 1.2.5. DOCUMENTS FOR SUPPORT OF WANO MEMBERS (GUIDELINES AND GOOD PRACTICES)

**TARGET:**

*To identify, document and distribute examples of practical activities and processes which can assist the WANO members in achieving the highest operational indicators and, thus, contributing to assurance of plant operational safety and reliability.*

No	ACTIVITY	VENUE	TIMING
1.2.5.1	ISSUE GUIDELINES		
1.2.5.1.1	DEVELOP GUIDELINES AS PER SCHEDULE	WANO MOSCOW CENTER	2019
1.2.5.1.2	REVISE TRANSLATION OF THE GUIDELINES INTO RUSSIAN, NUMBER OF DOCUMENTS - 10	WANO MOSCOW CENTER	2019
1.2.5.2	ISSUE GOOD PRACTICES		
1.2.5.2.1	TRANSLATE ALL GOOD PRACTICES FOR 2019 INTO RUSSIAN AND DISTRIBUTE THEM	WANO MOSCOW CENTER	2019
1.2.5.2.2	ISSUE AT LEAST 6 SUGGESTIONS AS TO GOOD PRACTICES AND SUBMIT THEM TO LO FOR THE PURPOSE OF ASSESSMENT OF THE CENTER	WANO MOSCOW CENTER	2019
1.2.5.3	DISTRIBUTE WANO GUIDELINES AND GOOD PRACTICES	WANO MOSCOW CENTER	2019
1.2.5.3.1	TRANSLATE AND DISTRIBUTE NEW WANO GUIDELINES AND GOOD PRACTICES WHEN PUBLISHED		
1.2.5.3.2	TRANSLATE AND DISTRIBUTE EXISTING DOCUMENTS ON GOOD PRACTICE, NUMBER OF DOCUMENTS - 20	WANO MOSCOW CENTER	2019
1.2.5.3.3	ISSUE ANNUAL BRIEF REPORT ON GOOD PRACTICES OF ALL REGIONAL CENTERS FOR THE PREVIOUS YEAR	WANO MOSCOW CENTER	2019
1.2.5.4	TRANSLATE AND DISTRIBUTE NEW WANO PROVISIONS WHEN PUBLISHED	WANO MOSCOW CENTER	2019
1.2.5.5	ESTABLISH AND UPDATE REGULARLY A TWO-LANGUAGE DB FOR STRENGTHS IDENTIFIED DURING PRS	WANO MOSCOW CENTER	2019

№	ACTIVITY	VENUE	TIMING
1.2.5.6	UPLOAD DB FOR STRENGTHS TO PLUTO AND WANO MC WEBSITE	WANO MOSCOW CENTER	2019

### 1.2.6. EMERGENCY RESPONSE SUPPORT

#### TARGET:

1. IMPLEMENT THE ALL-WANO EMERGENCY RESPONSE SUPPORT PLAN.
2. CARRY ON WITH OPERATION OF THE WANO MC REGIONAL CRISIS CENTER (RCC) INTENDED FOR EMERGENCY RESPONSE.

No	ACTIVITY	VENUE	TIMING
<b>1.2.6.1 PARTICIPATE IN EMERGENCY EXERCISES/DRILLS AT PLANTS AFFILIATED TO ATLANTA, PARIS AND TOKYO CENTERS, WITH INVOLVEMENT OF LO, NUMBER OF ACTIVITIES – 6</b>			
1.2.6.1.1	PARTICIPATE IN EMERGENCY EXERCISES/DRILLS OF AC PLANTS, WITH PARTICIPATION OF LO (WITH BLIND DATE)	TO BE CONFIRMED, RCC (MOSCOW, RUSSIA)	TO BE CONFIRMED
1.2.6.1.2	PARTICIPATE IN EMERGENCY EXERCISES/DRILLS OF AC PLANTS, WITH PARTICIPATION OF LO (WITH BLIND DATE)	TO BE CONFIRMED, RCC (MOSCOW, RUSSIA)	TO BE CONFIRMED
1.2.6.1.3	PARTICIPATE IN EMERGENCY EXERCISES/DRILLS OF PC PLANTS, WITH PARTICIPATION OF LO (WITH BLIND DATE)	TO BE CONFIRMED, RCC (MOSCOW, RUSSIA)	TO BE CONFIRMED
1.2.6.1.4	PARTICIPATE IN EMERGENCY EXERCISES/DRILLS OF PC PLANTS, WITH PARTICIPATION OF LO (WITH BLIND DATE)	TO BE CONFIRMED, RCC (MOSCOW, RUSSIA)	TO BE CONFIRMED
1.2.6.1.5	PARTICIPATE IN EMERGENCY EXERCISES/DRILLS OF TC PLANTS, WITH PARTICIPATION OF LO (WITH BLIND DATE)	TO BE CONFIRMED, RCC (MOSCOW, RUSSIA)	TO BE CONFIRMED
1.2.6.1.6	PARTICIPATE IN EMERGENCY EXERCISES/DRILLS OF TC PLANTS, WITH PARTICIPATION OF LO (WITH BLIND DATE)	TO BE CONFIRMED, RCC (MOSCOW, RUSSIA)	TO BE CONFIRMED
<b>1.2.6.2 ORGANIZE ACTIVITIES OF WANO MC RCC</b>			
<b>1.2.6.2.1 IMPROVE RCC COMMUNICATION CHANNELS AND ORGANIZE WANO MC EMERGENCY RESPONSE</b>			
1.2.6.2.1.1	CARRY OUT WORKS ON RCC-TO-ARMENIAN PLANT COMMUNICATION AND DATA TRANSFER	ARMENIAN PLANT, RCC	2019

No	ACTIVITY	VENUE	TIMING
1.2.6.2.1.2	IMPLEMENT RECOMMENDATIONS ON IMPROVEMENT OF INTERFACES BETWEEN BELARUSIAN PLANT AND RCC (RESULTS OF WANO MC MSM AT BELARUSIAN PLANT, OCTOBER 2016)	BELARUSIAN PLANT, RCC	2019
1.2.6.2.1.3	MEMBER SUPPORT MISSION ON ORGANIZATION OF BELARUSIAN PLANT-TO-RCC COMMUNICATION AND DATA TRANSFER	BELARUSIAN PLANT	TO BE CONFIRMED
1.2.6.2.1.4	DEVELOP PILOT ON-SITE EVENT/EMERGENCY NOTIFICATION SYSTEM	RCC, WANO MC	2019
1.2.6.2.1.5	CHECK REGULARLY AND UPGRADE THE COMMUNICATION CHANNELS	RCC (Moscow, Russia)	2019
<b>1.2.6.2.2 IMPROVEMENT OF RCC INFRASTRUCTURE</b>			
1.2.6.2.2.1	COMPLETE RCC TECHNICAL DOCUMENTATION ARCHIVES	RCC, RCC MEMBER OPERATORS AND PLANT	2019
1.2.6.2.2.2	TRANSLATE, INTO RUSSIAN, THE TECHNICAL DOCUMENTS SUBMITTED BY MEMBER OPERATORS/PLANTS IN ENGLISH	RCC	2019
<b>1.2.6.2.3 PARTICIPATION IN EMERGENCY EXERCISES/DRILLS WITH FEEDBACK FROM WANO MC MEMBERS, NUMBER OF ACTIVITIES – 8</b>			
1.2.6.2.3.1	INTERNATIONAL EXERCISE IN EMERGENCY PREPAREDNESS AND RESPONSE AT MC AFFILIATED PLANTS	TO BE CONFIRMED, RCC (Moscow, Russia)	AS PER RCC PLAN-2019
1.2.6.2.3.2	INTERNATIONAL EXERCISE IN EMERGENCY PREPAREDNESS AND RESPONSE AT MC AFFILIATED PLANTS	TO BE CONFIRMED, RCC (Moscow, Russia)	AS PER RCC PLAN-2019
1.2.6.2.3.3	INTERNATIONAL EXERCISE IN EMERGENCY PREPAREDNESS AND RESPONSE AT MC AFFILIATED PLANTS	TO BE CONFIRMED, RCC (Moscow, Russia)	AS PER RCC PLAN-2019
1.2.6.2.3.4	INTERNATIONAL EXERCISE IN EMERGENCY PREPAREDNESS AND RESPONSE AT MC AFFILIATED PLANTS	TO BE CONFIRMED, RCC (Moscow, Russia)	AS PER RCC PLAN-2019
1.2.6.2.3.5	INTERNATIONAL EXERCISE IN EMERGENCY PREPAREDNESS AND RESPONSE AT MC AFFILIATED PLANTS	TO BE CONFIRMED, RCC (Moscow, Russia)	AS PER RCC PLAN-2019
1.2.6.2.3.6	INTERNATIONAL EXERCISE IN EMERGENCY PREPAREDNESS AND RESPONSE AT MC AFFILIATED PLANTS	TO BE CONFIRMED, RCC (Moscow, Russia)	AS PER RCC PLAN-2019



<b>№</b>	<b>ACTIVITY</b>	<b>VENUE</b>	<b>TIMING</b>
1.2.6.2.3.7	INTERNATIONAL EXERCISE IN EMERGENCY PREPAREDNESS AND RESPONSE AT MC AFFILIATED PLANTS	TO BE CONFIRMED, RCC (MOSCOW, RUSSIA)	AS PER RCC PLAN-2019
1.2.6.2.3.8	INTERNATIONAL EXERCISE IN EMERGENCY PREPAREDNESS AND RESPONSE AT MC AFFILIATED PLANTS	TO BE CONFIRMED, RCC (MOSCOW, RUSSIA)	AS PER RCC PLAN-2019
<b>1.2.6.2.4 PARTICIPATION IN EMERGENCY EXERCISES/DRILLS WITH INVOLVEMENT OF LO AND OTHER REGIONAL CENTERS, NUMBER OF ACTIVITIES – 2</b>			
1.2.6.2.4.1	INTERNATIONAL EXERCISE IN EMERGENCY PREPAREDNESS AND RESPONSE AT MC AFFILIATED PLANTS	TO BE CONFIRMED, RCC (MOSCOW, RUSSIA)	AS PER RCC PLAN-2019
1.2.6.2.4.2	INTERNATIONAL EXERCISE IN EMERGENCY PREPAREDNESS AND RESPONSE AT MC AFFILIATED PLANTS	TO BE CONFIRMED, RCC (MOSCOW, RUSSIA)	AS PER RCC PLAN-2019
<b>1.2.6.2.5 PARTICIPATION OF AN MC REPRESENTATIVE AS OBSERVER IN EMERGENCY EXERCISE/DRILL OF OTHER WANO REGIONAL CENTERS AND LONDON OFFICE, NUMBER OF ACTIVITIES – 1</b>			
1.2.6.2.5.1	PARTICIPATE IN EMERGENCY EXERCISE/DRILL OF OTHER WANO REGIONAL CENTERS	WANO LO, LONDON	TO BE CONFIRMED
<b>1.2.6.2.7 RCC FURTHER DEVELOPMENT AND PERFORMANCE IMPROVEMENT</b>			
1.2.6.2.7.1	ENSURE PARTICIPATION OF KUDANKULAM PLANT (NPCIL, INDIA) IN MC RCC	RCC (MOSCOW, RUSSIA)	DURING 2019
1.2.6.2.7.2	IMPROVE INFORMATION EXCHANGES WITHIN MC RCC	RCC (MOSCOW, RUSSIA)	DURING 2019
1.2.6.2.7.3	TRANSLATE MATERIALS FOR RCC AND MATERIALS FOR POST FUKUSHIMA PROJECT ON EMERGENCY RESPONSE SUPPORT	RCC (MOSCOW, RUSSIA)	DURING 2019
1.2.6.2.7.4	PARTICIPATION OF AN RCC REPRESENTATIVE (WANO MC EMERGENCY RESPONSE TEAM) IN A MEETING (PROGRAM MEETING, STAFF-MEETING) WITHIN EMERGENCY RESPONSE SUPPORT PROJECT	TO BE CONFIRMED	FEBRUARY 2019
<b>1.2.6.2.8 PARTICIPATION IN SAM RELATED SEMINARS AND WORKSHOPS IN WANO REGIONAL CENTERS</b>			
1.2.6.2.8.1	PARTICIPATE IN SAM RELATED SEMINARS AND WORKSHOPS IN PARIS CENTER (NO MORE THAN 2 PERSONS, ONCE PER YEAR)	TO BE CONFIRMED	TO BE CONFIRMED

No	ACTIVITY	VENUE	TIMING
1.2.6.2.8.2	PARTICIPATE IN SAM RELATED SEMINARS AND WORKSHOPS IN TOKYO CENTER (NO MORE THAN 2 PERSONS, ONCE PER YEAR)	TO BE CONFIRMED	TO BE CONFIRMED
1.2.6.2.8.3	PARTICIPATE IN SAM RELATED SEMINARS AND WORKSHOPS IN ATLANTA CENTER (INPO) (NO MORE THAN 2 PERSONS, ONCE PER YEAR)	TO BE CONFIRMED	TO BE CONFIRMED
<b>1.2.6.2.9 RCC PERFORMANCE REPORT FOR 2018</b>			
1.2.6.2.9.1	DEVELOP THE RCC REPORT-2018 WITH FURTHER SUBMISSION TO WANO MC GOVERNING BOARD	RCC (MOSCOW, RUSSIA),	NOVEMBER 2019
1.2.6.2.9.2	TRANSLATE THE RCC REPORT-2018 INTO ENGLISH	RCC (MOSCOW, RUSSIA)	DECEMBER 2019
<b>1.2.6.3 INVOLVEMENT OF MC MEMBERS TO RCC</b>			
1.2.6.3.1	INVOLVE MC MEMBERS TO RCC	WHEN NEW UNITS ARE READY	2019
<b>1.2.6.4 EXERCISES/DRILLS WITH MC MEMBERS</b>			
1.2.6.4.1	INTERNATIONAL EXERCISE IN EMERGENCY PREPAREDNESS AND RESPONSE AT MC AFFILIATED PLANTS	TO BE CONFIRMED, RCC (MOSCOW, RUSSIA)	AS PER RCC PLAN-2019
1.2.6.4.2	INTERNATIONAL EXERCISE IN EMERGENCY PREPAREDNESS AND RESPONSE AT MC AFFILIATED PLANTS	TO BE CONFIRMED, RCC (MOSCOW, RUSSIA)	AS PER RCC PLAN-2019
1.2.6.4.3	INTERNATIONAL EXERCISE IN EMERGENCY PREPAREDNESS AND RESPONSE AT MC AFFILIATED PLANTS	TO BE CONFIRMED, RCC (MOSCOW, RUSSIA)	AS PER RCC PLAN-2019
1.2.6.4.4	INTERNATIONAL EXERCISE IN EMERGENCY PREPAREDNESS AND RESPONSE AT MC AFFILIATED PLANTS	TO BE CONFIRMED, RCC (MOSCOW, RUSSIA)	AS PER RCC PLAN-2019
1.2.6.4.5	INTERNATIONAL EXERCISE IN EMERGENCY PREPAREDNESS AND RESPONSE AT MC AFFILIATED PLANTS	TO BE CONFIRMED, RCC (MOSCOW, RUSSIA)	AS PER RCC PLAN-2019
1.2.6.4.6	INTERNATIONAL EXERCISE IN EMERGENCY PREPAREDNESS AND RESPONSE AT MC AFFILIATED PLANTS	TO BE CONFIRMED, RCC (MOSCOW, RUSSIA)	AS PER RCC PLAN-2019
1.2.6.4.7	INTERNATIONAL EXERCISE IN EMERGENCY PREPAREDNESS AND RESPONSE AT MC AFFILIATED PLANTS	TO BE CONFIRMED, RCC (MOSCOW, RUSSIA)	AS PER RCC PLAN-2019

№	ACTIVITY	VENUE	TIMING
1.2.6.4.8	INTERNATIONAL EXERCISE IN EMERGENCY PREPAREDNESS AND RESPONSE AT MC AFFILIATED PLANTS	TO BE CONFIRMED, RCC (MOSCOW, RUSSIA)	AS PER RCC PLAN-2019
<b>1.2.6.5 ПОДДЕРЖАНИЕ СИСТЕМ КОММУНИКАЦИИ И ИХ СОВЕРШЕНСТВОВАНИЕ</b>			
1.2.6.5.1	IMPLEMENT MEASURES ON ARMENIAN PLANT-TO-RCC COMMUNICATION AND DATA TRANSFER	ARMENIAN PLANT, RCC	2019
1.2.6.5.2	IMPLEMENT RECOMMENDATIONS ON IMPROVEMENT OF INTERFACES BETWEEN BELARUSIAN PLANT AND RCC (RESULTS OF WANO MC MSM AT BELARUSIAN PLANT, OCTOBER 2016)	BELARUSIAN PLANT, RCC	2019
1.2.6.5.3	MEMBER SUPPORT MISSION ON ORGANIZATION OF ARMENIAN PLANT-TO-RCC COMMUNICATION AND DATA TRANSFER	ARMENIAN PLANT	TO BE CONFIRMED
1.2.6.5.4	MEMBER SUPPORT MISSION ON ORGANIZATION OF BELARUSIAN PLANT-TO-RCC COMMUNICATION AND DATA TRANSFER	BELARUSIAN PLANT	TO BE CONFIRMED
1.2.6.5.5	IMPLEMENT PILOT ON-SITE EVENT/EMERGENCY NOTIFICATION SYSTEM	RCC, WANO MC	2019
1.2.6.5.6	CHECK REGULARLY AND UPGRADE THE COMMUNICATION CHANNELS	RCC (MOSCOW, RUSSIA)	2019

## 2. FOCUS AREA OF ACTIVITY: BUILD AND MAINTAIN A HIGHLY TRAINED, PROFESSIONAL WORKFORCE IN WANO

### 2.1. ORGANIZE THE WANO PROFESSIONAL WORKFORCE TRAINING SYSTEM

#### TARGET:

- ORGANIZATION OF THE TRAINING SYSTEM MEANS DEVELOPMENT OF A MANY-YEAR PROGRAMME TO PROVIDE A CONSISTENT SYSTEM FOR WANO PROFESSIONAL WORKFORCE TRAINING AND EFFICIENT SUPPLY OF WANO PRODUCTS TO ALL MEMBER COMPANIES.
- THESE ACTIVITIES INCLUDE DEVELOPMENT OF GENERAL TRAINING STANDARDS FOR SUCH KEY POSITIONS AS PEER REVIEW AND SUPPORT MISSION TEAM LEADERS, AND HIGHLY-QUALIFIED PEER REVIEW EXPERTS.

No	ACTIVITY	VENUE	TIMING
2.1.1	REGULARLY IMPROVE QUALIFICATION OF MC OFFICE PERSONNEL AND CONDUCT SEMINARS, NUMBER OF SEMINARS - 1		
2.1.1.1	TRAINING SEMINAR ON QUALIFICATION IMPROVEMENT OF A CLASSROOM TRAINER (FOR PR, MSM AND T&D STAFF), NUMBER OF GROUPS - 2	VNIIAES	2019
2.1.2.	COMPETENCE MANAGEMENT		
2.1.2.1	SEMINARS ON CORPORATE PEER REVIEW METHODOLOGY FOR PREPARATION OF EXPERTS AND COMPANIES FOR CPR, NUMBER OF ACTIVITIES - 2		
2.1.2.1.1	PARTICIPATE IN TRAINING SEMINAR ON CPR TEAM LEADER TRAINING UNDER LEADERSHIP OF LO, NUMBER OF SEMINARS – 1, NUMBER OF PARTICIPANTS - 2	TORONTO, KANADA, AC	SEPTEMBER
2.1.2.1.2	SEMINAR ON CPR METHODOLOGY TO QUALIFY CPR EXPERTS AND COMPANIES TO HOST CPR IN 2020	VNIIAES	2019
2.1.3	ENSURE HIGH-QUALITY STAFF SUCCESSION AND SUPPORT		
2.1.3.1	REGULARLY CONDUCT TRAINING AND REFRESHER COURSES FOR MC SITE REPRESENTATIVES, 26 PERSONS	WANO MOSCOW CENTER	2019
2.1.4.	KNOWLEDGE TRANSFER		

<b>№</b>	<b>ACTIVITY</b>	<b>VENUE</b>	<b>TIMING</b>
2.1.4.1	PARTICIPATE IN LO AND REGIONAL WORKING GROUPS TO DEVELOP DOCUMENTS ON KNOWLEDGE TRANSFER	TO BE CONFIRMED	2019
2.1.4.2	PARTICIPATION OF QUALIFIED MC CPR EXPERTS IN CPRs OF OTHER RCs IN ORDER TO IMPROVE QUALIFICATION AND SHARE EXPERIENCE, 2 EXPERTS	AC ,TC, PC	2019
2.1.5	ESTABLISH A HIGHLY EFFICIENT STRUCTURE IN THE AREA OF HUMAN RESOURCES		
2.1.5.1	PARTICIPATE IN WORKING GROUP FOR HUMAN RESOURCES	TO BE CONFIRMED	2019
2.1.6.	TRAINING OF NEWLY RECRUITED PERSONNEL		
2.1.6.1	TRAIN MSM TEAM LEADERS, 2 PERSONS, NUMBER OF SEMINARS - 1	WANO MOSCOW CENTER	2019
2.1.6.2	SEMINAR ON TRAINING OF NEW MC EMPLOYEES, NUMBER OF ACTIVITIES - 1 (AS NEEDED)	WANO MOSCOW CENTER	2019
2.1.7	MAINTAIN PERSONNEL QUALIFICATION		
2.1.7.1	ENGLISH COURSES IN WANO MC OFFICES, 160 HOURS PER PERSON A YEAR, 23 PERSONS	WANO MOSCOW CENTER	2019
2.1.7.2	QUALIFY THE WANO MC OFFICE STAFF IN ENGLISH, 23 PERSONS	WANO MOSCOW CENTER	2019
2.1.7.3	RUSSIAN COURSES IN WANO MC OFFICES, 160 HOURS PER PERSON A YEAR, 2 PERSONS	WANO MOSCOW CENTER	2019
2.1.7.4	QUALIFY THE WANO MC OFFICE STAFF IN RUSSIAN, 2 PERSONS (REPRESENTATIVES OF CZECH REP. AND IRAN)	WANO MOSCOW CENTER	2019
2.1.7.5	ENGLISH COURSES FOR MC SITE REPRESENTATIVES AT PLANTS, 160 HOURS PER PERSONS A YEAR, 20 PERSONS	MC MEMBER PLANTS	2019
2.1.7.6	QUALIFY THE MC SITE REPRESENTATIVES IN ENGLISH AT PLANTS, 20 PERSONS	WANO MOSCOW CENTER	2019
2.1.7.7	TRAIN AND QUALIFY THE NEW PR COORDINATORS AND PR/PSUR/CPR TEAM LEADERS	WANO MOSCOW CENTER	2019

No	ACTIVITY	VENUE	TIMING
2.1.7.8	TRAIN PERMANENT MC PR TEAM LEADERS, ORGANIZE PROBATION IN MOSCOW CENTER AND OTHER REGIONAL CENTERS AS PART OF PR TEAMS AND QUALIFY THEM – 2 PERSONS	WANO MOSCOW CENTER MC PLANTS AND OTHER PLANTS	2019
2.1.7.9	PREPARE AND CONDUCT PROBATION AS PART OF A PSUR TEAM, AND QUALIFY THE PSUR TEAM LEADER FROM AMONG THE AVAILABLE INDUSTRY LEADS, 1 PERSON	MC PSURS	AS PER PSUR SHCHEDULE-2019
2.1.7.10	CONDUCT PROBATION AS PART OF A PSUR TEAM, AND QUALIFY THE PSUR TEAM LEADER FROM AMONG THE QUALIFIED PR TEAM LEADERS IN MOSCOW REGION, 1 PERSON	MC PLANTS TO BE STARTED UP	AS PER PSUR SHCHEDULE-2019
2.1.7.11	PREPARE AND CONDUCT PROBATION OF CPR TEAM LEADERS AS PART OF A CPR TEAM IN MC AND OTHER REGIONAL CENTERS, AND QUALIFY THE STAFF, 2 PERSONS	WANO MOSCOW CENTER MC PLANTS AND OTHER PLANTS	2019
2.1.7.12	PREPARE AND CONDUCT PROBATION, AND QUALIFY THE CPO TEAM LEADERS FROM AMONG THE MC PERSONNEL – 2 PERSONS	WANO MOSCOW CENTER	2019
2.1.7.13	RECRUIT, TO MC, AND TRAIN A PERMANENT PROGRAMMER	WANO MOSCOW CENTER	2019
2.1.7.14	TRAIN EXPERTS IN THE AREA OF SOER, 2 PERSONS	WANO MOSCOW CENTER	2019
2.1.7.15	TRAINING FOLLOWING SELF-ASSESSMENT RESULTS (IF NEEDED)	WANO MOSCOW CENTER	2019
2.1.7.16	FEEDBACK AS TO QUALITY OF PERFORMANCE OF THE MC EXPERTS (IF NEEDED)	WANO MOSCOW CENTER	2019
2.1.7.17	RECRUIT, TO MC, AND TRAIN NEW SITE REPRESENTATIVES (IF NEEDED)	WANO MOSCOW CENTER	2019
2.1.7.18	INFORMATION SECURITY TRAINING		
2.1.7.18.1	MC STAFF TRAINING IN INFORMATION SECURITY FUNDAMENTALS	WANO MOSCOW CENTER	2019
2.1.7.18.2	MC IT STAFF TRAINING IN INFORMATION SECURITY	TO BE CONFIRMED	2019
2.1.7.18.3	MC REPRESENTATIVES' TRAINING IN INFORMATION SECURITY FUNDAMENTALS	WANO MOSCOW CENTER	2019
2.1.7.19.	IMPROVE THE EXISTING TRAINING MATERIALS	WANO MOSCOW CENTER	2019

No	ACTIVITY	VENUE	TIMING
2.1.7.20	TRAINING SEMINAR FOR EXPERT-AND-ANALYTICAL GROUP MEMBERS IN METHODOLOGY OF WANO ASSESSMENT AND PLANT CATEGORIZATION (2 TRAINERS, 5-7 TRAINEES FOR 1 DAY)	MC OFFICE	2019
2.1.7.21	SEMINAR ON LEADERSHIP FOR MC PR COORDINATORS AND TEAM LEADERS (15 PERSONS)	MC	QUARTER 2
2.1.7.22	TRAINING FOR TWO NEW PR TEAM LEADERS	MC OFFICE	2019
2.1.7.23	TRAINING FOR PR EXPERTS IN NEW EP/SAM POC PROVISIONS(10-15 PERSONS)	MOSCOW, MC OFFICE	QUARTER 1
2.1.7.24	ANNUAL PROFESSIONAL TRAINING (REFRESHER COURSES) FOR QUALIFIED EXPERTS	WANO MOSCOW CENTER	2019
2.1.7.25	MC MEMBER TRAINING IN LEADERSHIP IN NUCLEAR POWER ON A REGULAR BASIS (ANNUALLY: <ul style="list-style-type: none"> <li>FOR OPERATIONS PERSONNEL.</li> <li>FOR MIDDLE-LEVEL MANAGERS.</li> </ul>	TO BE CONFIRMED	2019
2.1.7.26	COMPLETE THE MC STAFF TRAINING MATERIALS WITH UP-TO-DATE MATERIALS ON: <p>SAFETY CULTURE COMMITMENT</p>	WANO MOSCOW CENTER	2019
2.1.8.	IMPLEMENT E-LEARNING SYSTEMS	WANO MOSCOW CENTER	AS PER IMPLEMENTATION SCHEDULE
2.1.8.1	DEVELOP AN INTERACTIVE TRAINING COURSE (E-LEARNING) FOR PR TEAM EXPERTS	WANO MOSCOW CENTER	QUARTER 1 2019

## 2.2. INVOLVEMENT OF NEW GENERATION IN WANO ACTIVITIES

A NEW GENERATION OF THE NUCLEAR LEADS, OPERATORS, TECHNICIANS AND ENGINEERS ARE TO BE INVOLVED IN A PROCESS OF DEVELOPING THE NUCLEAR SAFETY COMMITMENT AND ACHIEVING THE HIGH PERFORMANCE STANDARDS.

ACTIVITIES ARE UNDER WAY TO IDENTIFY WHETHER WANO SHOULD ESTABLISH A COMMON PROGRAMME OF TRAINING FOR A YOUNG GENERATION, WHICH IS TO BE BASED ON ACCUMULATED SUCCESSFUL EXPERIENCE OF MOSCOW CENTER. DUE TO BUSINESS CONTACTS ESTABLISHED AND PROFESSIONAL DEVELOPMENT ACTIVITIES, THE YOUNG GENERATION TRAINING PROGRAMME WOULD MAINLY FOCUS UPON THE PLANT OPERATION THROUGH INVOLVEMENT OF YOUNG SPECIALISTS IN PEER REVIEWS AND MEMBER SUPPORT MISSIONS AS WELL AS WORKSHOPS AND SEMINARS.

No	ACTIVITY	VENUE	TIMING
<b>PARTICIPATION OF MC YOUNG GENERATION IN THE WANO PROGRAMMES AS EXPERTS AND OBSERVERS</b>			
OBJECTIVE: TO IMPROVE QUALIFICATION OF YOUR NUCLEAR PROFESSIONALS, INVOLVE THEM INTO THE WANO ACTIVITIES ON IMPROVEMENT OF THE PLANT SAFETY AND RELIABILITY WORLDWIDE, AND PROMOTING AND MAINTAINING THE HIGH POTENTIAL FOR DEVELOPMENT OF THE YOUNG PLANT PEOPLE.			
<b>PEER REVIEWS</b>			
NUMBER OF YOUNG SPECIALISTS TO TAKE PART IN THE PEER REVIEWS IS TO BE LIMITED BY THREE EMPLOYEES FROM THE SITE WHERE THE PR IS HOSTED. IT IS POSSIBLE TO INVOLVE TWO PERSONS, AT THE MOST, FROM A DIFFERENT SITE. THE TOTAL NUMBER FOR THE YEAR 2019 – NO MORE THAN FOUR PERSONS SENT FROM THE OTHER SITES. IF QUALIFIED PROPERLY, A YOUNG SPECIALIST CAN BE INVOLVED AS EXPERT IF APPROVED BY THE PR COORDINATORS. IN FPRs ONLY THE YG MEMBERS FROM THE RELATED SITE ARE TO PARTICIPATE.			
2.2.1.	PEER REVIEW AT LOVIISA PLANT	FINLAND	14-29 MARCH
2.2.2	PEER REVIEW AT TAINWAN PLANT	CHINA	11-26 APRIL
2.2.3	PEER REVIEW AT BALAKOVO PLANT	RUSSIA	20 JUNE-05 JULY
2.2.4	PEER REVIEW AT TEMELIN PLANT	CZECH REP.	17 JULY - 02 AUGUST
2.2.5	PEER REVIEW AT KHMELNITSKY PLANT	UKRAINE	12-27 SEPTEMBER
2.2.6	PEER REVIEW AT BILIBINO PLANT	RUSSIA	26 SEPTEMBER - 11 OCTOBER



No	ACTIVITY	VENUE	TIMING
2.2.7	PEER REVIEW AT BUSHEHR PLANT	IRAN	21 NOVEMBER – 06 DECEMBER
2.2.8	PEER REVIEW AT KOLA PLANT	RUSSIA	11-15 FEBRUARY
2.2.9	FOLLOWUP PEER REVIEW AT DUKOVANY PLANT	CZECH REP.	23-27 APRIL
2.2.10	FOLLOWUP PEER REVIEW AT CHINON PLANT	FRANCE (WITH PC)	04-08 MARCH
2.2.11	FOLLOWUP PEER REVIEW AT BOHUNICE PLANT	SLOVAKIA	12-16 AUGUST
2.2.12	FOLLOWUP PEER REVIEW AT SMOLENSK PLANT	RUSSIA	02-06 SEPTEMBER
2.2.13	FOLLOWUP PEER REVIEW AT KURSK PLANT	RUSSIA	14-18 OCTOBER
2.2.14	FOLLOWUP PEER REVIEW AT KOZLODUY PLANT	BULGARIA	11-15 NOVEMBER
2.2.15	FOLLOWUP PEER REVIEW AT ARMENIAN PLANT	ARMENIA	09-13 DECEMBER
<b>SEMINARS AND WORKSHOPS</b>  NUMBER OF SEMINAR AND WORKSHOP PARTICIPANTS ON THE SITE TO HOST THE EVENT – UP TO THREE PERSONS. IT IS POSSIBLE TO INVOLVE TWO PERSONS, AT THE MOST, FROM A DIFFERENT SITE. THE TOTAL NUMBER FOR THE YEAR 2019 – <b>NO MORE THAN 10 PERSONS SENT TO THE OTHER SITES AND MC OFFICES.</b> WHEN APPROVED, OTHER SEMINARS AND WORKSHOPS CAN BE ATTENDED WHERE THESE ARE NOT INCLUDED IN TO THE BELOW LIST BUT ARE INCLUDED IN THE DEVELOPMENT WORKING GROUP PLAN.			
2.2.16	TRAINING SEMINAR LEADERSHIP IN NUCLEAR POWER	BUSHEHR PLANT, IRAN	20-23 JANUARY
2.2.17	TRAINING SEMINAR LEADERSHIP IN NUCLEAR POWER	BOHUNICE PLANT, SLOVAKIA	MARCH
2.2.18	TRAINING SEMINAR LEADERSHIP IN NUCLEAR POWER	BALAKOVO PLANT, RUSSIA	APRIL

No	ACTIVITY	VENUE	TIMING
2.2.19	TRAINING SEMINAR LEADERSHIP IN NUCLEAR POWER	ZAPORIZHYE PLANT, UKRAINE	MAY
2.2.20	TRAINING SEMINAR GOOD OPERATIONAL DECISION MAKING (ODM)	RIVNE PLANT, UKRAINE	TBD
2.2.21	TRAINING SEMINAR GOOD OPERATIONAL DECISION MAKING (ODM)	LENINGRAD PLANT, RUSSIA	TBD
2.2.22	WORKSHOP PREPARATION TO PLANT OPERATIONS. PERSONNEL SELECTION, SCREENING AND TRAINING	PAKS PLANT, HUNGARY	MAY
2.2.23	WORKSHOP EXPERIENCE EXCHANGE IN ELECTRICAL EQUIPMENT AND AUTOMATED PROCESS CONTROL SYSTEMS	MOSCOW, RUSSIA	TBD
2.2.24	WORKSHOP INFORMATION SECURITY	TBD	TBD
2.2.25	WORKSHOP IN-SERVICE INSPECTIONS OF PLANT EQUIPMENT AND PIPELINE METAL	TBD	TBD
2.2.26	RESERVE	TBD	TBD
<b>MEMBER SUPPORT MISSIONS</b>  MC YOUNG ENGINEERS PARTICIPATE IN THE MC MEMBER SUPPORT MISSIONS. NUMBER OF MSM PARTICIPANTS AT THE EVENT SITE IS UP TO THREE PERSONS. TO BE APPROVED BY THE MSM COORDINATOR. TOTAL NUMBER FOR THE YEAR 2019 – <b>NO MORE THAN 1 PERSON SENT TO THE OTHER SITES.</b>			
2.2.27	PARTICIPATION OF MC YOUNG ENGINEERS IN MEMBER SUPPORT MISSIONS (AS NEEDED)	IN SITU	2019
<b>GUIDELINES AND GOOD PRACTICES</b>			
2.2.28	PARTICIPATION IN TRANSLATION OF WANO GUIDELINES AND GOOD PRACTICES	IN SITU	2019
<b>OPERATIONAL EXPERIENCE</b>			

No	ACTIVITY	VENUE	TIMING
2.2.29	PARTICIPATION IN REVISING AND UPDATING OF A NUMBER OF OPERATIONAL EXPERIENCE DOCUMENTS	IN SITU	2019
<b>PARTICIPATION OF MC YOUNG ENGINEERS IN MC SIGNIFICANT LOCAL AND INTERNATIONAL CONFERENCES</b>			
<b>OBJECTIVE: TO PROMOTE THE MC YOUNG GENERATION MOVEMENT IN RUSSIA AND ABROAD; QUALIFICATION IMPROVEMENT FOR THE PARTICIPANTS</b>			
2.2.30	YOUTH FORUM OF UKRAINIAN NUCLEAR SOCIETY, NUMBER OF PERSONS - 1	KHMELNITSKY PLANT, UKRAINE	JUNE
2.2.31	DISNAI INTERNATIONAL FORUM, NUMBER OF PERSONS - 1	VISAGINAS, LITHUANIA	JULY
2.2.32	23-RD YOUTH CONFERENCE OF RUSSIAN NUCLEAR SOCIETY, NUMBER OF PERSONS - 1	IN SITU	2019
<b>TRAINING OF MC YOUNG ENGINEERS</b>			
<b>OBJECTIVE: IMPROVE QUALIFICATION OF THE PARTICIPANTS</b>			
2.2.33	TRAINING SEMINAR FOR MC YOUNG ENGINEERS IN HOT TOPICS, AND REPORTING MEETING FOR THE PARTICIPANTS, NUMBER OF PERSONS – 25	MC AFFILIATED PLANT	MAY
2.2.34	TRAINING SEMINAR FOR MC YOUNG ENGINEERS IN HOT TOPICS, AND REPORTING MEETING FOR THE PARTICIPANTS, NUMBER OF PERSONS - 25	MC AFFILIATED PLANT	DECEMBER
2.2.35	RESERVE (AS NEEDED)	Videoconference	2019
<b>ACTIVITIES WITH MC YOUNG GENERATION MOVEMENT GROUPS</b>			
<b>OBJECTIVE: ESTABLISH MC YG GROUPS AT THOSE SITES THAT DO NOT HAVE THEM. EDUCATIONAL ACTIVITIES AND SUPPORT TO THE EXISTING MOVEMENT GROUPS.</b>			
2.2.36	ESTABLISH MC YG GROUPS	MC AFFILIATED PLANTS	2019
2.2.37	PARTICIPATE IN VC MEETINGS WITH MC YG GROUP COORDINATORS	VIDEOCONFERENCE	2019
2.2.38	ELECT COORDINATORS FROM MC OPERATORS (AS NEEDED)	-	2019
2.2.39	FAMILIARIZE WITH ACTIVITIES OF THE MC ON-SITE YG GROUPS, NUMBER OF VISITS TO THE MC SITES - 2	MC AFFILIATED PLANTS	2019
2.2.40	SELECT AND DISTRIBUTE THE MC ON-SITE YG MEMBERS TO PARTICIPATION IN MC EVENTS AND PROGRAMMES; TO BE DONE BY MC SITE REPRESENTATIVES	-	2019

No	ACTIVITY	VENUE	TIMING
<b>WORKING WITH MC YOUNG GENERATION MOVEMENT REGULATORY DOCUMENTS</b>			
OBJECTIVE: TO UPDATE THE EXISTING MC YG DOCUMENTS IN ORDER TO UPDATE AND IMPROVE THEM.			
2.2.41	UPDATE THE EXISTING MC YG DOCUMENTS (AS NEEDED)		2019

### 2.3. IMPLEMENTATION OF SAFETY CULTURE PRINCIPLES AMONG NEW NUCLEAR ENTRANTS

ATTENTION WILL BE DIRECTED TO THE COURSES BEING ORGANIZED BY WANO FOR DEVELOPING STRONG NUCLEAR SAFETY CULTURE AMONG THE PERSONNEL OF NUCLEAR ENTRANTS AT EARLY PLANT CONSTRUCTION STAGES, FORMING THE NECESSARY BEHAVIORS TO BE SUPPORTED WITHIN THE PERIOD AFTER PUTTING THE NEW UNITS INTO OPERATION.

No	ACTIVITY	VENUE	TIMING
2.3.1	MC MEMBER TRAINING IN NUCLEAR SAFETY CULTURE ON A REGULAR BASIS (ANNUALLY)	TO BE CONFIRMED	2019
2.3.2	INVOLVE NEW COMPANIES TO ACTIVITIES OF CEO SMALL MEETING	TO BE CONFIRMED	AS NEEDED
2.3.3	TRAINING IN SAFETY CULTURE AS PER WANO DOCUMENTS (GL, PL) (IF NEW OR UPDATED DOCUMENTS ARE AVAILABLE)	WANO MOSCOW CENTER	2019
2.3.4.	MSM IN SC (NUA MODULE)	2019	

## 2.4. HIGH-LEVEL SUPPORT TO WANO MEMBER PERSONNEL

THERE SHOULD BE ALL-WANO DETAILED ASSESSMENT OF STRATEGIES AND PRACTICES IN THE AREA OF HUMAN RESOURCES, WHICH ARE APPLIED IN LONDON OFFICE AND REGIONAL CENTERS, AND A SINGLE APPROACH SHOULD BE ADOPTED IF NEEDED IN ORDER TO SYNCHRONIZE THE ACTIVITIES AND ENSURE THEIR EFFICIENCY.

WANO SHOULD BE A CREDIBLE ORGANIZATION TO SUPPORT ITS MEMBERS; TRUST TO WANO IS FORMED DUE TO ITS COMPETENCE. WE NEED EXPERIENCED PERSONNEL WITH STRONG LEADER CHARACTERISTICS WHICH WOULD HELP IMPLEMENT OUR LONG-TERM PLANS AND OUR MISSION, AND WE ARE TO CREATE A WORKFORCE WITH A GOOD BALANCE OF WANO PERMANENT STAFF AND SECONDEES. WANO MEMBERS SHOULD UNDERSTAND THAT SECONDMENT, TO WANO, OF THE EMPLOYEES WHO ARE PREPARING FOR MANAGERIAL POSITIONS WOULD POSITIVELY EFFECT ON THEIR CARRIER AND PROFESSIONAL DEVELOPMENT.

No	ACTIVITY	VENUE	TIMING
2.4.1	REQUEST, FROM MC MEMBERS, THE EXPERIENCED LEADS TO WORK AS SECONDEES IN WANO MOSCOW CENTER		
2.4.1.1	REQUEST, FROM MC MEMBERS, THE EXPERIENCED LEADS TO WORK AS SECONDEES IN WANO MOSCOW CENTER (AS NEEDED)	WANO MOSCOW CENTER	2019
2.4.1.2	REQUEST, FROM MC MEMBERS, THE EXPERIENCED LEADS TO WORK AS SECONDEES IN WANO MOSCOW CENTER (AS NEEDED)	WANO MOSCOW CENTER	2019
2.4.2	ANALYZE HOW AC, PC, TC AND LO FORM THEIR RESOURCES. ESTABLISH A SINGLE APPROACH TOWARDS PERSONNEL SELECTION AND TRAINING, NUMBER OF VISITS - 1	AS NEEDED	AS NEEDED
2.4.3	SEND, TO OTHER REGIONAL CENTERS, MC REPRESENTATIVES, NUMBER OF PERSONS - 6	AS NEEDED	AS NEEDED
2.4.4	CARRY OUT EXCHANGE ACTIVITIES BETWEEN MC AND PC (PEER REVIEWS)	TEMLIN PR	AS PER PR SCHEDULE
2.4.5	TRAINING FOR EXPERTS BY PERSONNEL FROM OTHER RCS	AS NEEDED	AS NEEDED
2.4.6	INCLUDE, INTO COMPETENCES OF MC MEMBER EMPLOYEES, SECONDMENT IN WANO AS CARRIER ADVANCEMENT	MC MEMBERS	2019

### 3. FOCUS AREA OF ACTIVITY: FORGE A MORE EFFECTIVE WANO

TO STRENGTHEN THE WANO'S ROLE, IT IS NECESSARY TO REINFORCE WANO BY MEANS OF CREATION OF MORE CONSISTENT, TRUSTWORTHY WORK RESULTS AND PROGRAMMES INCLUDING TRAINING OF MANAGERS FOR WANO MEMBERS.

WE ARE ONE WANO AND ONE INDUSTRY, WITH HIGH DEGREE OF INTERRELATIONS, WHICH ARE NEEDED FOR A SUCCESS. WE ARE COMMITTED TO COMMON GOALS, PRINCIPLES AND STANDARDS. NOTWITHSTANDING THAT THESE COMMON DIRECTIONS MAY HAVE SLIGHT DIFFERENCES ASSOCIATED WITH REGIONAL FEATURES, OUR BASIC COMMITMENT IS COMMITMENT TO WANO AS A WHOLE, AND THIS IS WHY INDEPENDENT AND AUTONOMOUS APPROACHES WOULD NOT IMPROVE COMMON SAFETY AND RELIABILITY.

AT WANO BIENNIAL GENERAL MEETING-2011, WANO MEMBERS WERE UNANIMOUS IN SUPPORTING CERTAIN RECOMMENDATIONS DEVELOPED BY POST FUKUSHIMA COMMISSION TO MAKE WANO MORE EFFECTIVE, MORE RELIABLE, MORE EFFICIENT AND MORE TRANSPARENT. AS A RESULT, A NUMBER OF INTERNAL PEER REVIEWS WERE CARRIED OUT AT EACH REGIONAL CENTER AND LONDON OFFICE FOR THE PURPOSE OF ASSESSMENT OF QUALITY, EFFECTIVENESS, EFFICIENCY AND CONSISTENCY OF IMPLEMENTATION OF ALL WANO PROGRAMMES. THESE REVIEWS CONDUCTED IN 2012 AND FOLLOWUP REVIEWS CONDUCTED IN 2014 CONFIRMED IMPROVED INTERFACES BETWEEN WANO AND ITS MEMBERS AS WELL AS MORE EFFICIENT CONSISTENCY OF ACTIONS BETWEEN LONDON OFFICE AND REGIONAL CENTERS. THESE REVIEWS DEMONSTRATED THAT OUR TRAVEL IS NOT OVER YET, AND IDENTIFIED CERTAIN AREAS FOR IMPROVEMENT (AFI) TO HELP ENSURE CONSISTENCY.

### 3.1 CORPORATE COMMUNICATIONS PROGRAMME

**TARGET:** *To enhance prestige of nuclear power in the eyes of public, by means of awareness about WANO and its unique role as a world's leader in nuclear safety, simultaneously improving transparency and exchange of information between its members.*

No	ACTIVITY	VENUE	TIMING
3.1.1.	ESTABLISH INTERNATIONAL COMMUNITY OF WANO MEMBERS		
3.1.1.1	MEETINGS WITH COMMUNICATION TEAMS IN WANO MEMBER COMPANIES (WANO RCs TO HOST MEMBER COMMUNICATIONS MEETINGS)	WANO MOSCOW CENTER OR MC MEMBERS	2019
3.1.1.2	PARTICIPATE IN REGIONAL MEETINGS ON COMMUNICATIONS WITH RC MEMBERS (ONE MEMBER OF COMMS TEAM TO ATTEND / PRESENT AT EACH RC'S MEMBER COMMUNICATIONS MEETING)	WANO REGIONAL CENTERS	2019
3.1.1.3	COMMS PRESENCE AT SITE REPS/WIO MEETINGS	WANO MOSCOW CENTER	2019
3.1.1.4	INFORMATION SUPPORT TO WANO MEMBER WEBSITE	WANO MOSCOW CENTER	2019
3.1.1.5	INFORMATION SUPPORT AND INTERFACES WITH NEW NUCLEAR COMMUNITY MEMBERS	WANO MOSCOW CENTER	2019
3.1.2.	INTERFACES WITH OUTSIDE MEDIA		2019
3.1.2.1	INFORMATION SUPPORT TO WANO MC PUBLIC WEBSITE: WANOMC.RU	WANO MOSCOW CENTER	2019
3.1.2.2	INFORMATION SUPPORT TO WANO PUBLIC WEBSITE: WANO.INFO	WANO MOSCOW CENTER	2019
3.1.2.3	WRITE ARTICLES ABOUT WANO EVENTS FOR INDUSTRIAL MAGAZINES NUMBER – 1-2 PER YEAR	WANO MOSCOW CENTER	2019
3.1.3.	BUILD A WANO EFFICIENT TEAM THROUGH IMPROVED COMMUNICATIONS		2019
3.1.3.1	INCLUDE MC MEETINGS INTO COMMON COMMS PLAN AND PROVIDE INFORMATION SUPPORT	WANO MOSCOW CENTER	2019



3.1.3.2	PREPARE TOPICAL PUBLICATIONS FOR «INSIDE WANO», NUMBER OF ACTIVITIES – AS REQUESTED AND PLANNED BY LONDON OFFICE	WANO MOSCOW CENTER	2019
3.1.3.3	PREPARE MOSCOW CENTER NEWSLETTERS IN RUSSIAN AND ENGLISH NUMBER – 12 (MONTHLY)	WANO MOSCOW CENTER	2019
3.1.3.4	PREPARE NEWS FOR MC MEMBER PLANT AND REA MONITORS	WANO MOSCOW CENTER	2019
3.1.3.5	PUBLISH WANO DOCUMENTS IN RUSSIAN	WANO MOSCOW CENTER	2019
3.1.3.6	ALIGNMENT WEEKS WITH LONDON OFFICE	WANO MOSCOW CENTER	2019
3.1.4.	REPORTS TO LO ON MC COMMS PROGRAMME ANALYTICS	WANO MOSCOW CENTER	MONTHLY
3.1.5	CORPORATE EVENTS		
3.2.5.1	INFORMATION SUPPORT TO PREPARATION TO BGM-2019 AND WANO 30-TH ANNIVERSARY	WANO MOSCOW CENTER	2019
3.2.5.2	INFORMATION TO BE PROVIDED TO MC MEMBERS ON CORPORATE EVENTS	WANO MOSCOW CENTER	2019

### 3.2. CORPORATE EVENTS

No	ACTIVITY	VENUE	TIMING
3.2.1	PARTICIPATE IN ORGANIZATION AND DELIVERY OF WANO BIENNIAL GENERAL MEETING (BGM)		2019
3.2.2	PARTICIPATE IN ORGANIZATION AND DELIVERY OF WANO PLANT TECHNICAL LEADERS (CHIEF ENGINEERS) AND OPERATOR MANAGERS CONFERENCES AND MEETINGS		
3.2.3	PARTICIPATE IN ORGANISATION AND DELIVERY OF CNO FORUM	TO BE CONFIRMED	2019
3.2.4	WANO MC DIRECTORS CONFERENCE	14-16 MAY MINSK (BELARUS)	2019
3.2.5	PARTICIPATE IN ORGANIZATION AND DELIVERY OF LONDON OFFICE CONFERENCE FOR NEW UNITS	TO BE CONFIRMED	2019
3.2.6	PARTICIPATE IN ORGANIZATION AND DELIVERY OF LONDON OFFICE EP (EMERGENCY PREPAREDNESS) CONFERENCE AND TECHNICAL TOUR TO CHERNOBYL PLANT	MINSK (BELARUS) CHERNOBYL PLANT (UKRAINE)	TBD (FEBRUARY)
3.2.7	INFORMATION SUPPORT TO PREPARATION TO BGM-2019 AND WANO 30-TH ANNIVERSARY	WANO MOSCOW CENTER	2019

### 3.3. CONSISTENT REMOVAL OF GAPS IDENTIFIED DURING WANO INTERNAL SELF-ASSESSMENT

ACTIONS PLANS OF ALL REGIONAL ENTERS AND LONDON OFFICE SHOULD BE CONSISTENT TO REMOVE ALL AFIS DETECTED AS A RESULT OF THE ASSESSMENTS.

TO ENSURE FULL TRANSPARENCY, DETAILED REPORTS ON ASSESSMENTS OF LONDON OFFICE AND FOUR REGIONAL CENTERS, INCLUDING ALL STRENGTHS AND AFIS, ARE UPLOADED ON THE PROTECTED CORPORATE WEBSITE [WWW.WANO.ORG](http://WWW.WANO.ORG).

No	ACTIVITY	VENUE	TIMING
3.3.1.	WANO SELF-ASSESSMENT		
3.3.2	WANO FOLLOWUP SELF-ASSESSMENT		
3.3.3.	UPDATE THE SELF-ASSESSMENT GUIDELINE	WANO MOSCOW CENTER	2019
3.3.4.	WANO MC INTERNAL SELF-ASSESSMENT	WANO MOSCOW CENTER	2019
3.3.4.1	ISSUE A REPORT ON WANO MC PROGRAMMES SELF-ASSESSMENT	WANO MOSCOW CENTER	2019
3.3.4.2	DEVELOP CORRECTIVE ACTIONS BASED UPON RESULTS OF MC INTERNAL SELF-ASSESSMENT	WANO MOSCOW CENTER	2019
3.3.5.	STUDY STRENGTHS OF OTHER RCs AND DEVELOP MEASURES TO IMPLEMENT THEM IN MC	TO BE CONFIRMED	2019
3.3.6.	SUBMIT RESULTS OF INTERNAL SELF-ASSESSMENT AND CORRECTIVE ACTIONS TO MC GB	TO BE CONFIRMED	2019
3.3.7.	IMPLEMENT ACTIONS AS PER RESULTS OF INTERNAL SELF-ASSESSMENT-2018	WANO MOSCOW CENTER	2019

### 3.4. CREATION OF ONE WANO TEAM

WE SHOULD WORK COLLECTIVELY AS ONE WANO AND ANALYZE COMMON TOPIC OR CROSS-FUNCTIONAL ISSUES THAT, IN THE OPINION OF THE REVIEW TEAMS, AFFECT ALL ASSOCIATION. WE SHOULD REMOVE INCONSISTENCIES AND GAPS IN IMPLEMENTING THE FOUR MAIN WANO PROGRAMME IN EACH REGION.

ABILITY OF WANO TO IDENTIFY THE PLANTS THAT ARE LESS EFFICIENT AND TO SUPPORT THEM SHOULD BE IMPROVED (PLEASE REFER TO FOCUS AREA 1 WHERE INITIATIVES ARE STATED TO SOLVE THIS ISSUE).

WE SHOULD IMPROVE EFFICIENCY OF THE PROGRAMMES AND STRATEGIES FOR SELECTION, TRAINING AND QUALIFICATION OF THE GROWING NUMBER OF WANO SECONDEES AND PERMANENT STAFF ((PLEASE REFER TO FOCUS AREA 2 WHERE INITIATIVES ARE STATED TO SOLVE THIS ISSUE).

INTERFACES BETWEEN WANO AND ITS MEMBERS AND MEMBERS' COMMITMENT TO WANO SHOULD BE IMPROVED.

No	ACTIVITY	VENUE	TIMING
3.4.1.	PARTICIPATE IN PROGRAMMES' WORKING GROUPS		
3.4.1.1	PARTICIPATE IN LO WORKING MEETINGS FOR PEER REVIEWS, NUMBER OF ACTIVITIES – 2, (2 PERSONS)	TO BE CONFIRMED	2019
3.4.1.2	PARTICIPATE IN LO WORKING MEETINGS FOR CORPORATE PEER REVIEWS, NUMBER OF ACTIVITIES - 1	TO BE CONFIRMED	2019
3.4.1.3	PARTICIPATE IN LO WORKING MEETINGS FOR OPERATIONAL EXPERIENCE, NUMBER OF ACTIVITIES - 2	TO BE CONFIRMED	2019
3.4.1.4	PARTICIPATE IN LO WORKING MEETINGS FOR MSM, NUMBER OF ACTIVITIES - 1	TO BE CONFIRMED	2019
3.4.1.5	PARTICIPATE IN LO WORKING MEETINGS FOR PERFORMANCE INDICATORS, NUMBER OF ACTIVITIES - 1	TO BE CONFIRMED	2019
3.4.1.6	PARTICIPATE IN LO WORKING MEETINGS FOR TRAINING AND DEVELOPMENT, NUMBER OF ACTIVITIES – 2	TO BE CONFIRMED	2019
3.4.1.7	PARTICIPATE IN LO WORKING MEETINGS FOR WANO GOOD PRACTICES AND GUIDELINES, NUMBER OF ACTIVITIES – 1	TO BE CONFIRMED	2019

<b>№</b>	<b>ACTIVITY</b>	<b>VENUE</b>	<b>TIMING</b>
3.4.1.8	PARTICIPATE IN LO WORKING MEETINGS FOR EMERGENCY RESPONSE, NUMBER OF ACTIVITIES - 1	TO BE CONFIRMED	2019
3.4.1.9	PARTICIPATE IN LO WORKING MEETINGS FOR TRAINING, NUMBER OF ACTIVITIES - 1	TO BE CONFIRMED	2019
3.4.1.10	PARTICIPATE IN LO WORKING MEETINGS FOR COMMUNICATIONS, NUMBER OF ACTIVITIES - 1	TO BE CONFIRMED	2019
3.4.1.11	PARTICIPATE IN LO WORKING MEETINGS FOR INFORMATION TECHNOLOGIES, NUMBER OF ACTIVITIES – 1	TO BE CONFIRMED	2019
3.4.1.12	PARTICIPATE IN LO WORKING MEETINGS FOR PLANT SUPPORT, NUMBER OF ACTIVITIES – 1	TO BE CONFIRMED	2019
3.4.1.13	PARTICIPATE IN LO WORKING MEETINGS FOR DESIGN PROJECT, NUMBER OF ACTIVITIES – 1	TO BE CONFIRMED	2019
3.4.1.14	PARTICIPATE IN LO WORKING MEETINGS FOR CPO, NUMBER OF ACTIVITIES - 1	TO BE CONFIRMED	2019
3.4.1.15	PARTICIPATE IN LO WORKING MEETINGS FOR NUA, NUMBER OF ACTIVITIES - 2	TO BE CONFIRMED	2019
3.4.1.16	PARTICIPATE IN LO WORKING MEETINGS FOR SELF-ASSESSMENT, NUMBER OF ACTIVITIES – 1	TO BE CONFIRMED	2019
3.4.1.17	PARTICIPATE IN LO WORKING MEETINGS FOR WANO RE-ORGANIZATION, NUMBER OF ACTIVITIES – 1	TO BE CONFIRMED	2019
3.4.1.18	ORGANIZE AND DELIVER MC WEI MEETINGS, NUMBER OF ACTIVITIES - 1	MOSCOW	2019
3.4.1.19	PARTICIPATE IN LO WORKING MEETINGS FOR IT, NUMBER OF ACTIVITIES - 1	TO BE CONFIRMED	2019
3.4.1.20	PARTICIPATE IN LO WORKING MEETINGS FOR HR, NUMBER OF ACTIVITIES - 2	TO BE CONFIRMED	2019
3.4.1.21	PARTICIPATE IN LO WORKING MEETINGS FOR BS, NUMBER OF ACTIVITIES - 1	TO BE CONFIRMED	2019

No	ACTIVITY	VENUE	TIMING
3.4.1.22	PARTICIPATE IN MEETINGS ORGANIZED BY INTEGRATED PERFORMANCE ANALYSIS TEAM (LONDON) /PERFORMANCE ANALYSIS		2019
3.4.1.23	PARTICIPATE IN ANNUAL REGIONAL PROGRAMME DIRECTORS MEETINGS - 2 EVENTS		2019
3.4.1.24	MC PARTICIPATION IN GB OF OTHER REGIONAL CENTERS FOR EXPERIENCE EXCHANGE		2019
3.4.1.25	BENCHMARKING WITH OTHER REGIONAL CENTERS FOR EXPERIENCE EXCHANGE IN INDICATORS PROGRAMME; PARTICIPATE IN SEMINARS AND MEETINGS ON INDICATORS IN OTHER REGIONAL CENTERS AND LONDON OFFICE		2019
3.4.1.25.1	WANO PERSONNEL MEETING ON PERFORMANCE INDICATORS	WANO	2019
3.4.1.25.2	PARTICIPATE IN WANO WORKING GROUP FOR UPDATING OF PERFORMANCE INDICATOR PROGRAMME, 3 TIMES A YEAR	WANO	2019

3.4.1.26.	PARTICIPATE IN MEETINGS OF OTHER RCs FOR CPRs, NUMBER OF ACTIVITIES – 3		
3.4.1.26.1.	PARTICIPATE IN WANO STAFF MEETING FOR CPR – 1 PERSON	TOKYO, TC	FEBRUARY
3.4.1.26.2.	PARTICIPATE IN WANO STAFF MEETING FOR CPR – 1 PERSON	LONDON, LO	JULY
3.4.1.26.3.	PARTICIPATE IN PC MEETING FOR CPR – 1 PERSON	PARIS, PC	2019

### 3.5. ASSESSMENT OF WANO PROGRAMMES' EFFICIENCY AND ARRANGEMENT FOR WANO MEMBER FEEDBACK

WE SHOULD DEVELOP QUALITATIVE INDICATORS FOR ACCURATE ASSESSMENT OF WANO PROGRAMME EFFICIENCY AND OF WAYS OF ITS SUBMISSION TO WANO MEMBERS WITH FEEDBACK FROM MEMBERS ON THEIR CONSTRUCTIVE OPINION AS TO UNDERSTANDING OF THESE PROGRAMMES.

No	ACTIVITY	VENUE	TIMING
3.5.1	INTERFACE WITH LO TO DEVELOP INDICATORS FOR ASSESSING WANO PROGRAMME AND PROGRAMME DIRECTOR EFFICIENCY	WANO MOSCOW CENTER	2019
3.5.2	MONITOR WANO PROGRAMMES IN MC. PARTICIPATION, IN ACTIVITIES OF EACH PROGRAMME, OF PROGRAMME DIRECTORS AND DEVELOPMENT COORDINATORS, NUMBER OF ACTIVITIES FOR EACH PROGRAMME (MSM-4, T&D-4, PR-4 )	WANO MOSCOW CENTER	2019
3.5.3	FEEDBACK FOR EACH MC EVENT TO RCs WHERE MC REPRESENTATIVES TAKE PART	WANO MOSCOW CENTER	2019
3.5.4	DISCUSS EFFICIENCY OF MC PROGRAMMES	WANO MOSCOW CENTER	2019
3.5.5	DEVELOP CORRECTIVE ACTIONS	WANO MOSCOW CENTER	2019
3.5.6	IMPLEMENT MC PROGRAMME PERFORMANCE INDICATORS	WANO MOSCOW CENTER	2019
3.5.7	COORDINATION MEETING FOR REA AND MC INTERFACES	TO BE CONFIRMED	2019
3.5.8	COORDINATION MEETING FOR ENERGOATOM AND MC INTERFACES	TO BE CONFIRMED	2019

### 3.6. DEVELOPMENT OF INTERACTIONS WITH LIKE-MINDED ORGANIZATIONS

WE SHOULD FURTHER DEVELOP EFFECTIVE COOPERATION WITH LIKE-MINDED ORGANIZATIONS TO SMOOTHLY USE THE RESOURCES FOR SUPPORT TO NUCLEAR SAFETY AND RELIABILITY.

IT MEANS MINIMIZATION OF TIME COSTS AND DEMANDS IN RESOURCES OF OUR MEMBERS BY MEANS OF EXCHANGE OF CERTAIN INFORMATION AND COORDINATION OF SCHEDULES OF SITE VISITS BY OTHER ORGANIZATIONS THAT PERFORM NUCLEAR SUPERVISION. THIS APPROACH IS BASED ON SUCCESSFUL IMPLEMENTATION OF THE EXISTING AGREEMENT WITH IAEA FOR EXCHANGE OF CERTAIN DATA ON PERFORMANCE INDICATORS, WHICH HELPS AVOID DUPLICATION OF THE MEMBERS' WORK AND SUBMISSION OF THE SAME DATA TO TWO DIFFERENT ORGANIZATIONS. OTHER LIKE-MINDED ORGANIZATIONS ARE AS FOLLOWS AMONG OTHERS: CHINESE NUCLEAR ENERGY ASSOCIATION (CNEA), JAPANESE NUCLEAR SAFETY INSTITUTE (JANSI), INSTITUTE FOR NUCLEAR POWER OPERATIONS (INPO), WORLD INSTITUTE FOR NUCLEAR SAFETY (WINS) AND WORLD NUCLEAR ASSOCIATION (WNA).

No	ACTIVITY	VENUE	TIMING
3.6.1.	PARTICIPATION OF MC REPRESENTATIVES AND LEADS IN JOINT MEETINGS WITH IAEA REPRESENTATIVES, NUMBER OF MEETINGS - 4	IAEA, VIENNA, AUSTRIA	2019
3.6.1.1	PARTICIPATE IN THE PR TEAM LEADERS AND COORDINATORS MEETING WITH OSART LEADERS FOR EXPERIENCE EXCHANGE, NUMBER OF MEETINGS PER YEAR - 1	IAEA, VIENNA, AUSTRIA	2019
3.6.1.2	PARTICIPATION OF MC REPRESENTATIVES IN IAEA EVENTS (SEMINARS), NUMBER – 3	IAEA, VIENNA, AUSTRIA	2019
3.6.2.	PARTICIPATION OF MC REPRESENTATIVES IN IAEA CONFERENCES, NUMBER OF ACTIVITIES - 4	IAEA, VIENNA, AUSTRIA	2019
3.6.3.	PARTICIPATION OF MC REPRESENTATIVES IN OSART MISSIONS, 2 REPRESENTATIVES	OSART MISSION SITE	2019
3.6.4.	PARTICIPATION OF MC REPRESENTATIVES IN INPO CEO CONFERENCES, 1 REPRESENTATIVE	IN SITU	2019
3.6.5.	PARTICIPATION OF MC REPRESENTATIVES IN WNA, CNEA, JANSI CONFERENCES, 3 REPRESENTATIVES	IN SITU	2019

### 3.7. IMPROVEMENT OF EFFICIENCY OF LINKS BETWEEN MAIN AND REGIONAL GOVERNING BOARDS, AND CONSISTENCY OF STRATEGIC DECISIONS

WE SHOULD INCREASE EFFICIENCY OF LINKS BETWEEN MAIN AND REGIONAL GOVERNING BOARDS AND ENSURE CONSISTENCY STRATEGIC DECISIONS AS WELL AS OPEN AND TIMELY INFORMATION EXCHANGE.

No	ACTIVITY	VENUE	TIMING
3.7.1	IMPLEMENT NESTOR'S RECOMMENDATIONS, NUMBER - 2		
3.7.1.1.	PARTICIPATION OF MC LEADS IN WANO ELT MEETING	TO BE CONFIRMED	2019
3.7.1.2.	PARTICIPATION OF MC LEADS IN WANO ELT MEETING	TO BE CONFIRMED	2019



No	ACTIVITY	VENUE	TIMING
3.7.2.	IMPLEMENT WANO INTEGRATED MANAGEMENT SYSTEM MODEL		2019
3.7.3	IMPLEMENT W-MODEL FOR DECISION-MAKING INSIDE WANO		2019
3.7.4	UPDATING OF WANO LONG-TERM PLAN		2019
3.7.5	EXPORT CONTROLS		
3.7.6	PARTICIPATE IN WA NO GB, NUMBER -3		
3.7.6.1	PARTICIPATION OF MC LEADS AND MEMBER REPRESENTATIVES IN WANO GB	TO BE CONFIRMED	2019
3.7.6.2	PARTICIPATION OF MC LEADS AND MEMBER REPRESENTATIVES IN WANO GB	TO BE CONFIRMED	2019
3.7.6.3	PARTICIPATION OF MC LEADS AND MEMBER REPRESENTATIVES IN WANO GB	TO BE CONFIRMED	2019
3.7.6.4	PARTICIPATE IN VC FOR WANO GB, NUMBER - 3	WANO MOSCOW CENTER	2019
3.7.7	PARTICIPATE IN ELT MEETINGS, NUMBER - 3		
3.7.7.1	PARTICIPATION OF MC LEADS IN WANO ELT MEETING	TO BE CONFIRMED	2019
3.7.7.2	PARTICIPATION OF MC LEADS IN WANO ELT MEETING	TO BE CONFIRMED	2019
3.7.7.3	PARTICIPATION OF MC LEADS IN WANO ELT MEETING	TO BE CONFIRMED	2019
3.7.8	PARTICIPATE IN WANO B&R COMMITTEE, NUMBER OF ACTIVITIES - 2		
3.7.9	PARTICIPATE IN WANO SGNC, NUMBER OF ACTIVITIES -3		
3.7.10	MC GB MEETINGS, NUMBER - 3		
3.7.10.1	MC RGB MEETINGS	TO BE CONFIRMED	2019

<b>№</b>	<b>ACTIVITY</b>	<b>VENUE</b>	<b>TIMING</b>
3.7.10.2	MC RGB MEETING	TO BE CONFIRMED	2019
3.7.10.3	MC RGB MEETING	TO BE CONFIRMED	2019
3.7.10.4	MC GB VIDEOCONFERENCES WITH REGARD OF WANO GB DECISIONS	WANO MOSCOW CENTER	2019
3.7.11	ORGANIZATION AND DELIVERY OF MC STRATEGY GROUP MEETINGS, NUMBER -2		
3.7.11.1.	PARTICIPATION OF MC LEADS AND MEMBER REPRESENTATIVES IN MC STRATEGY GROUP MEETINGS	TO BE CONFIRMED	2019
3.7.11.2.	PARTICIPATION OF MC LEADS AND MEMBER REPRESENTATIVES IN MC STRATEGY GROUP MEETINGS	TO BE CONFIRMED	2019
3.7.12	ORGANIZATION AND DELIVERY OF MC PLANNING WORKING GROUP, NUMBER - 1	TO BE CONFIRMED	2019
3.7.13	ORGANIZATION AND DELIVERY OF MC BUDGET WORKING GROUP, NUMBER – 2	TO BE CONFIRMED	2019
3.7.14	MC GB WORKING GROUP MEETINGS, NUMBER - 3		
3.7.14.1	MC GB WORKING GROUP MEETINGS	TO BE CONFIRMED	2019
3.7.14.2	MC GB WORKING GROUP MEETINGS	TO BE CONFIRMED	2019
3.7.14.3	MC GB WORKING GROUP MEETINGS	TO BE CONFIRMED	2019
3.7.15	TIMELY DISTRIBUTION OF DOCUMENTS AND RESOLUTIONS AMONG MC MEMBERS	WANO MOSCOW CENTER	2019
3.7.16	CONNECTION TO COMMON INFORMATION SOFTWARE OF MC GB MEMBERS	WANO MOSCOW CENTER	2019
3.7.17	TRANSLATE WANO DOCUMENTS INTO RUSSIAN AND MC DOCUMENTS – INTO ENGLISH	AS NEEDED	2019

<b>№</b>	<b>ACTIVITY</b>	<b>VENUE</b>	<b>TIMING</b>
3.7.18	MC DIRECTORS CONFERENCE BEFORE MC GB TO ENSURE CONSISTENCY OF DECISIONS, NUMBER OF MEETINGS – 1	TO BE CONFIRMED	2019
3.7.19	MC SVP COUNCIL, NUMBER - 1	TO BE CONFIRMED	2019
3.7.20.	PARTICIPATION OF MC GB REPRESENTATIVES IN GB MEETINGS OF OTHER RCs FOR EXPERIENCE EXCHANGE	TO BE CONFIRMED	2019
3.7.21.	COMMUNICATION AND INFORMATION SUPPORT TO MC STAFF AND MEMBERS	WANO MOSCOW CENTER	2019
3.7.22.	MAINTENANCE, STORAGE AND DEVELOPMENT OF WANO DATABASES	WANO MOSCOW CENTER	2019
3.7.23.	PARTICIPATION OF MC CHAIRMAN AND MC MEMBERS IN WANO SGNC, 3 MEETINGS	TO BE CONFIRMED	2019
3.7.24.	PARTICIPATION OF AN MC REPRESENTATIVE (MC GB MEMBER) IN B&R COMMITTEE	TO BE CONFIRMED	2019
3.7.25.	SEND MC EMPLOYEES TO THE 5-TH RC (AS NEEDED)	WANO MOSCOW CENTER	AS NEEDED
3.7.26.	PARTICIPATE IN INDUSTRY WORKING GROUPS (7 GROUPS)	TO BE CONFIRMED	2019

### 3.9. IMPLEMENTATION AND KEEPING OF ELECTRONIC DOCUMENT MANAGEMENT SYSTEM

<b>№</b>	<b>ACTIVITY</b>	<b>VENUE</b>	<b>TIMING</b>
3.9.1	DEVELOP TOR FOR DOCUMENT MANAGEMENT SYSTEM IMPLEMENTATION	WANO MOSCOW CENTER	MARCH 2019
3.9.2	SELECT A SYSTEM FOR DOCUMENT MANAGEMENT, AND A PERFORMER	WANO MOSCOW CENTER	MAY 2019
3.9.3	PILOT OPERATION OF DOCUMENT MANAGEMENT SYSTEM	WANO MOSCOW CENTER	JUNE 2019
3.9.4	COMMERCIAL OPERATION OF ELECTRONIC DOCUMENT MANAGEMENT SYSTEM	WANO MOSCOW CENTER	OCTOBER 2019

### 3.10. IMPLEMENTATION OF PERSONAL INFORMATION PROTECTION SYSTEM

No	ACTIVITY	VENUE	TIMING
3.10.1	IS AUDIT	WANO MOSCOW CENTER	2019
3.10.2	SUPPORT THE ACCESS OF WANO MEMBER PERSONNEL TO WANO CORPORATE WEBSITE AND PROTECTED MC WEBSITE	WANO MOSCOW CENTER	DURING 2019
3.10.3	RETREAT SEMINAR FOR MC MEMBERS FOR INFORMATION SECURITY	TO BE CONFIRMED	2019
3.10.4	TESTS FOR BREAKERS FROM OUTSIDE	WANO MOSCOW CENTER	2019
3.10.5	IMPLEMENT THE PRINTING CONTROL SYSTEM	WANO MOSCOW CENTER	2019
3.10.6	SUPPORT THE SITE REPRESENTATIVES	WANO MOSCOW CENTER	2019
3.10.7	UPGRADE THE VIDEO SURVEILLANCE SYSTEM	WANO MOSCOW CENTER	2019
3.10.8	UPGRADE THE NETWORK EDGE PROTECTION SYSTEM	WANO MOSCOW CENTER	2019

### 3.11. IMPROVEMENT OF INFORMATION SECURITY

No	ACTIVITY	VENUE	TIMING
3.11.1	PARTICIPATE IN WANO IS WORKING GROUP (STAFF MEETING)	WANO MOSCOW CENTER	2019
3.11.2	CONDUCT TRAINING SEMINARS FOR MC STAFF	WANO MOSCOW CENTER	2019
3.11.3	IMPROVE QUALIFICATION OF IS STAFF	WANO MOSCOW CENTER	2019
3.11.4	WORKING MEETING IN IS	WANO MOSCOW CENTER	2019
3.11.5	DEVELOP AND UPDATE THE IS DOCUMENTATION	WANO MOSCOW CENTER	2019

### 3.12. INFRASTRUCTURAL TECHNICAL SUPPORT TO MC FUNCTIONING

No	ACTIVITY	VENUE	TIMING
3.12.1	TECHNICAL SUPPORT TO USERS	WANO MOSCOW CENTER	CONTINUOUSLY
3.12.2	GIVE CONSULTATIONS TO MC IT0SYSTEM USERS	WANO MOSCOW CENTER	CONTINUOUSLY
3.12.3	SUPPORT TELEPHONE SYSTEM PERFORMANCE	WANO MOSCOW CENTER	CONTINUOUSLY
3.12.4	TAKE INVENTORY OF IT AND IS	WANO MOSCOW CENTER	CONTINUOUSLY
3.12.5	TRAIN MC STAFF IN OPERATING IT SYSTEMS	WANO MOSCOW CENTER	TO BE CONFIRMED
3.12.6	MAINTAIN COPYING FACILITIES	WANO MOSCOW CENTER	CONTINUOUSLY
3.12.7	PLANNED WORKS ON SERVER EQUIPMENT	WANO MOSCOW CENTER	CONTINUOUSLY
3.12.8	MAINTAIN OPERABILITY OF PHYSICAL SECURITY SYSTEMS	WANO MOSCOW CENTER	CONTINUOUSLY
3.12.9	MAINTAIN OPERABILITY OF AUDIO SYSTEMS	WANO MOSCOW CENTER	CONTINUOUSLY
3.12.10	PLANNED SERVICING OF GAS-TYPE FIRE EXTINGUISHING SYSTEM AT 11 FLOOR SERVER ROOM	WANO MOSCOW CENTER	CONTINUOUSLY
3.12.11	UPDATE THE EMERGENCY RECOVERY PLAN	WANO MOSCOW CENTER	AS NEEDED

#### **4. FOCUS AREA OF ACTIVITY: INSTILL SUPERIOR STANDARDS AMONG NEW UNITS AND NEW INDUSTRY ENTRANTS, AND SUPPORT THEM WITHIN THE WHOLE PLANT LIFETIME PERIOD**

THERE SHOULD BE IMPLEMENTED THE HIGH STANDARDS AT NEW INDUSTRIAL FACILITIES, THESE STANDARDS BEING MAINTAINED AT THE PLANTS APPROACHING THE OPERATION END, LIFETIME EXTENSION AND DECOMMISSIONING.

TODAYS' NUCLEAR LANDSCAPE CAN BE DESCRIBED AS A SERIES OF POLARITIES THAT CHANGE IN MANY ASPECTS. ECONOMIC, ECOLOGICAL, SOCIAL, POLITICAL AND TECHNOLOGICAL FACTORS WILL DEEPLY CHANGE OUR INDUSTRY IN THE COMING DECADES.

AT ONE END OF THIS SPECTRUM, ENTRANCE OF A BIG NUMBER OF NEW COMER COUNTRIES ARE EXPECTED IN THE COMING YEARS WHERE MANY OF THEM ARE LOCATED IN THE REGIONS IN WHICH THE NUCLEAR POWER HAS NEVER BEEN INCLUDED IN THE ENERGY MIX. ACCORDING TO WNA FORECASTS, BY 2030 272 NEW REACTORS CAN BE PUT INTO OPERATION AND 70 REACTORS ARE ALREADY UNDER CONSTRUCTION.

FURTHERMORE, IT IS SUPPOSED THAT THE EXISTING COUNTRIES WITH DEVELOPED NUCLEAR POWER WOULD EXTEND THEIR PROGRAMMES TO IMPROVE THEIR LIVING STANDARDS, IMPROVE THEIR GENERAL ECONOMIC SITUATION AND DEMONSTRATE THEIR READINESS FOR SOLVING ISSUES RELATING TO CLIMATIC CHANGES.

AT THE SAME TIME, THE COUNTRIES WITH DEVELOPED NUCLEAR POWER IN NORTH AMERICA AND EUROPE WOULD FACE THE NEW PROBLEMS RELATED TO THE PLANTS, WHOSE OPERATION LIFETIME IS CLOSE TO ITS END, WHERE THESE PLANTS ARE REQUIRED TO PERFORM DEEP UPGRADINGS, FINAL SHUTDOWN AND FINALLY - DECOMMISSIONING.

TO SATISFY THE DEMANDS OF WANO MEMBER PLANTS BEING AT A STARTING STAGE OR A FINAL STAGE OF THE LIFE CYCLE, WANO WILL NEED TO EXTEND THE EXISTING PACKAGE OF DOCUMENTS AND SERVICES AND ADAPT THEM TO NEW CONDITIONS IN THE NUCLEAR INDUSTRY. WANO WILL HAVE TO BE EARLY PRESENT IN THE PROCESS OF CONSTRUCTION OF NEW UNITS IN ORDER TO SET HIGH STANDARDS OF SAFETY AND EFFICIENCY THAT ARE REQUIRED FOR THE GROWING NUMBER OF WANO MEMBERS.

ALSO, WE WILL NEED TO PROVIDE OUR MANY-YEAR MEMBERS WITH OPERATIONAL EXPERIENCE AND TECHNICAL EXPERTISE, ASSIST THEM IN PROVIDING SAFETY AND RELIABILITY OF THEIR PLANTS TILL THEIR DECOMMISSIONING.

##### **4.1. INVOLVEMENT OF NEW COMPANIES AND COUNTRIES AT EARLY STAGES OF PLANT PLANNING AND CONSTRUCTION**

WE SHOULD INVOLVE NEW COMPANIES AND COUNTRIES AT EARLY STAGES OF PLANT PLANNING AND CONSTRUCTION IN ORDER TO DEVELOP THEIR COMMITMENT TO GLOBAL NUCLEAR SAFETY.

TO ACCOMPLISH THIS TASK, IN THE YEAR 2014 THE WANO PROJECT ON NEW UNITS ASSISTANCE (NUA) WAS INITIATED. THE ESTABLISHED WORKING GROUP INCLUDES REPRESENTATIVES OF ALL REGIONS TO START THE WORK AT EARLY STAGES AND INVOLVE NEWCOMERS TO THE WANO ACTIVITIES, WHICH HAS RESULTED IN ESTABLISHMENT OF HONG KONG OFFICE AND A PSSUR TEAM. IN THE FRAMEWORK OF A COMPASS INITIATIVE, A NUA TEAM WILL ENSURE THAT ALL NEWCOMERS ARE INITIALLY TRAINED AS ORGANIZED BY WANO FOR THE PURPOSE OF DISCUSSING THE GLOBAL RESPONSIBILITY CONCEPTS AND SUBMITTING OUR SERVICES AND DOCUMENTS DEVELOPED TO SUPPORT THESE CONCEPTS. TO THIS END, THE NEWCOMERS WILL ESTABLISH LINKS WITH THE RELATED REGIONAL CENTER IN ORDER TO DEVELOP A FULL-SCOPE PLAN OF

SUPPORT/INVOLVEMENT IN THE PLANT CONSTRUCTION, WHICH PROVIDES READINESS FOR FUEL LOADING, WHICH FINALLY WILL BE REVIEWED BY A PRE-STARTUP PEER REVIEW TEAM.

No	ACTIVITY	VENUE	TIMING
4.1.1.	VISIT A NEWCOMER COMPANY TO: <ul style="list-style-type: none"> <li>GIVE INFORMATION ON WANO ROLES AND FUNCTIONS,</li> <li>GIVE INFORMATION ON WANO PROGRAMMES,</li> <li>GIVE INFORMATION ON CAPABILITIES OF WANO OE DATABASES,</li> <li>GIVE INFORMATION ON WANO PLANT PERFORMANCE INDICATORS.</li> </ul> NUMBER OF ACTIVITIES - 5		
4.1.1.1	VISIT A NEWCOMER COMPANY	RUPPUR PLANT (BANGLADESH)	2019
4.1.1.2	VISIT A NEWCOMER COMPANY	EL DABAA PLANT (EGYPT)	2019
4.1.1.3	VISIT A NEWCOMER COMPANY	FENNOVOIMA Oy (HANHIKIVI-1, FINLAND)	2019
4.1.1.4	VISIT A NEWCOMER COMPANY	AKKUYU PLANT (TURKEY)	2019
4.1.1.5	VISIT A NEWCOMER COMPANY	BREST-OD-300 PROJECT	2019
4.1.2.	INVOLVE A FUTURE OPERATOR TO WANO OR ESTABLISH OTHER COOPERATION FORMATS, NUMBER OF ACTIVITIES - 5		
4.1.2.1	INVOLVE A FUTURE OPERATOR TO WANO OR ESTABLISH OTHER COOPERATION FORMATS	RUPPUR PLANT (BANGLADESH)	2019
4.1.2.2	INVOLVE A FUTURE OPERATOR TO WANO OR ESTABLISH OTHER COOPERATION FORMATS	EL DABAA PLANT (EGYPT)	2019
4.1.2.3	INVOLVE A FUTURE OPERATOR TO WANO OR ESTABLISH OTHER COOPERATION FORMATS	FENNOVOIMA Oy (HANHIKIVI-1, FINLAND)	2019
4.1.2.4	INVOLVE A FUTURE OPERATOR TO WANO OR ESTABLISH OTHER COOPERATION FORMATS	AKKUYU PLANT (TURKEY)	2019
4.1.2.5	INVOLVE A FUTURE OPERATOR TO WANO OR ESTABLISH OTHER COOPERATION FORMATS	BREST-OD-300 PROJECT	2019



4.1.3.	DEVELOP AND APPROVE THE INTERFACES PLAN. NUMBER OF ACTIVITIES - 4		
4.1.3.1	DEVELOP AND APPROVE THE INTERFACES PLAN	RUPPUR PLANT (BANGLADESH)	2019
4.1.3.2	DEVELOP AND APPROVE THE INTERFACES PLAN	EL DABAA PLANT (EGYPT)	2019
4.1.3.3	DEVELOP AND APPROVE THE INTERFACES PLAN	FENNOVOIMA Oy (HANHIKIVI-1, FINLAND)	2019
4.1.3.4	DEVELOP AND APPROVE THE INTERFACES PLAN	AKKUYU PLANT (TURKEY)	2019
4.1.5.	SEMINARS/WORKSHOPS AT NEW SITES FOR INFORMATION EXCHANGE		
4.1.5.1	ACTIVITIES ON OPENED EQUIPMENT AT THE PLANT. FOREIGN MATERIALS EXCLUSION. (RESERVE FROM T&D PROGRAMME)	BELARUSIAN PLANT (BELARUS)	2019
4.1.5.2	WORKSHOP ON PREPARATION FOR PLANT OPERATIONS. RECRUITING, SELECTION AND TRAINING.	PAKS II (HUNGARY)	2019
4.1.7.	PREPARE AND DISSEMINATE THE SUMMARIZING REPORTS FOLLOWING RESULTS OF PRE-STARTUP PEER REVIEWS AMONG WANO MEMBERS	WANO MOSCOW CENTER	2019
4.1.8.	PREPARE AND DISSEMINATE THE SUMMARIZING REPORTS ON DESIGN SAFETY MANAGEMENT SYSTEM REVIEW	WANO MOSCOW CENTER	2019
4.1.9.	MSMs FOR PERSONNEL FROM NEW SITES (NUA PROJECT), INCLUDING DEVELOPMENT OF STRONG NUCLEAR SAFETY CULTURE И HIGH STANDARD COMMITMENT, NUMBER OF ACTIVITIES – 15		
4.1.9.1	ENGINEER SUPPORT STRATEGIES	BELARUSIAN PLANT	19-23 AUGUST
4.1.9.2	SOER RECOMMENDATIONS	BELARUSIAN PLANT	13-17 MAY
4.1.9.3	OPERATIONAL READINESS ASSESSMENT, ORA (AV) (1-2 TRANSLATORS REQUIRED)	LENINGRAD 5,6	FEBRUARY - MARCH
4.1.9.4	CHEMISTRY EQ.1	LENINGRAD 5,6	NOVEMBER

4.1.9.5	OPERATIONAL READINESS ASSESSMENT, ORA (AV)	TIANWAN 5	MAY
4.1.9.6	MONITORING AND REGISTRATION OF PARAMETERS DURING UNIT START-UP	MOCHOVCE 3,4	SEPTEMBER
4.1.9.7	IMPLEMENTATION OF START-UP-RELATED FIRE SAFETY STANDARDS	MOCHOVCE 3,4	2019
4.1.9.8	RESERVE	KUDANKULAM 2	2019
4.1.9.9	RESERVE	TAINWAN 5	2019
4.1.9.10	RESERVE (ASSESSMENT OF AUTOMATED PROCESS CONTROL SYSTEM)	TO BE CONFIRMED	2019
4.1.9.11	ASSIGN MC REPRESENTATIVES FROM AMONG THE OFFICE STAFF FOR INTERACTIONS WITH NEW SITES	WANO MOSCOW CENTER	2019
4.1.9.12	PARTICIPATION OF A MC REPRESENTATIVE IN DEVELOPING THE NUA MODULE – 2 VISITS	LO	2019
4.1.9.13	PARTICIPATION OF A MC REPRESENTATIVE IN DEVELOPING THE NUA MODULE – 2 VISITS	PC	2019
4.1.9.14	PARTICIPATION OF A MC REPRESENTATIVE IN DEVELOPING THE NUA MODULE – 2 VISITS	AC	2019
4.1.9.15	PARTICIPATION OF A MC REPRESENTATIVE IN THE NUA WORKING GROUP (WGNUA) – 2 VISITS	LO	2019
4.1.9.16	PARTICIPATION OF A MC REPRESENTATIVE IN THE NUA WORKING GROUP (WGNUA) – 2 VISITS	LO	2019

## 4.2. DEVELOPMENT OF COOPERATION WITH IAEA

WE SHOULD STRENGTHEN THE COOPERATION WITH IAEA AIMED AT SUPPORTING ALL THE COUNTRIES OF THE NUCLEAR ENERGY INDUSTRY.

ONE OF THE MAIN ROLES OF IAEA IS TO PROVIDE CONSULTATIVE ASSISTANCE AND SUPPORT TO NEWCOMERS IN A PERIOD WHEN IMPLEMENTATION OF A COMMERCIAL NUCLEAR PROGRAMME IS DECIDED. WANO CAN COOPERATE WITH IAEA ON THE LEGAL GROUNDS, BY PROVIDING ITS OPERATIONAL EXPERIENCE TO SUPPORT THE PREPARATORY ACTIVITIES BEING CARRIED OUT IN THESE COUNTRIES. WANO WILL COOPERATE WITH IAEA TO UPDATE THEIR MEMORANDUM OF UNDERSTANDING SIGNED BY THE BOTH ORGANIZATIONS IN 2012, WITH THE PURPOSE OF EXTENDING THEIR COOPERATION.

<b>No</b>	<b>ACTIVITY</b>	<b>VENUE</b>	<b>TIMING</b>
4.2.1	PARTICIPATE IN WORKSHOPS ON INFRASTRUCTURE IN NEWCOMER COUNTRIES	IAEA (VIENNA, AUSTRIA)	2019
4.2.2	PARTICIPATE IN INFRASTRUCTURE DEVELOPMENT CONFERENCES AND WORKSHOPS (NIDS)	IAEA (VIENNA, AUSTRIA)	2019
4.2.3	PARTICIPATE IN THE WORKING GROUP FOR COOPERATION AND CONTACT MODEL FOR DEVELOPMENT AND INTRODUCTION OF NUCLEAR POWER	IAEA (VIENNA, AUSTRIA)	2019
4.2.4	PARTICIPATE IN IAEA SEMINARS ON SUPPORT TO NEW UNITS AND UNITS TO BE DECOMMISSIONED, NUMBER OF ACTIVITIES -2	IN SITU	2019
4.2.4.1	PARTICIPATE IN IAEA SEMINARS ON NEW UNITS SUPPORT	IAEA (VIENNA, AUSTRIA)	2019
4.2.4.2	PARTICIPATE IN IAEA SEMINARS ON SUPPORT TO UNITS TO BE DECOMMISSIONED	IAEA (VIENNA, AUSTRIA)	2019
4.2.5	PARTICIPATE IN THE WORKING GROUP (IAEA-WANO-RASU) ON INTERACTIONS IN THE AREA OF ASSESSMENT OF PLANT DIGITAL MONITORING AND CONTROL SYSTEMS, NUMBER OF ACTIVITIES -3	IAEA (VIENNA, AUSTRIA)	2019
4.2.6	PARTICIPATE IN PRE-OSART MISSIONS, NUMBER OF ACTIVITIES -1	IAEA	2019
4.2.7	REGIONAL TOP-LEVEL MANAGERS' MEETING, VIENNA, AUSTRIA (WITH IAEA)	WANO REGIONAL TOP-LEVEL MANAGERS MEETING; VIENNA, AUSTRIA (WITH IAEA)	2019
4.2.8	PARTICIPATE IN IAEA GENERAL CONFERENCE	PARTICIPATE IN IAEA GENERAL CONFERENCE	2019
4.2.9	PARTICIPATE IN IAEA HIGH-LEVEL CONFERENCE	PARTICIPATE IN IAEA HIGH-LEVEL CONFERENCE	2019

### 4.3. ORGANIZATION OF INTERACTIONS WITH COUNTRIES BEING POTENTIAL NUCLEAR COMMUNITY MEMBERS

WE SHOULD DEVELOP A PROGRAMME TO GIVE INFORMATION AND EXPLAIN RESPONSIBILITIES TO THE COUNTRIES GOING TO BECOME NUCLEAR COMMUNITY MEMBERS.

№	ACTIVITY	VENUE	TIMING
4.3.1	VISIT POTENTIAL WANO MC MEMBERS IN SUCH COUNTRIES AS BANGLADESH, EGYPT ETC., NUMBER OF ACTIVITIES - 6		
4.3.1.1	VISIT A POTENTIAL WANO MEMBER	BANGLADESH	2019
4.3.1.2	VISIT A POTENTIAL WANO MEMBER	EGYPT	2019
4.3.1.3	VISIT A POTENTIAL WANO MEMBER	FINLAND	2019
4.3.1.4	VISIT A POTENTIAL WANO MEMBER	TURKEY	2019
4.3.1.5	VISIT A POTENTIAL WANO MEMBER	CHINA	2019
4.3.1.6	VISIT A POTENTIAL WANO MEMBER	CHINA	2019

### 4.4. ORGANIZATION OF MONITORING OF NEW UNITS IN ORDER TO ORGANIZE THE SUPPORT

№	ACTIVITY	VENUE	TIMING
4.4.1	MONITOR CONSTRUCTION STAGES AND OPERATIONS PERSONNEL READINESS WITH FURTHER REPORT TO WANO MC SECRETARIAT	SITES OF PLANTS UNDER CONSTRUCTION: LENINGRAD-2, KURSK-2, NOVOVORONEZH-7, MOCHOVCE-3,4, TAINWAN-5,6	MONTHLY
4.4.2	MONITOR CONSTRUCTION STAGES AND OPERATIONS PERSONNEL READINESS WITH FURTHER PROVISION OF INFORMATION IN QUARTERLY REPORTS	SITES OF PLANTS UNDER CONSTRUCTION: LENINGRAD-2, KURSK-2, NOVOVORONEZH-7, MOCHOVCE-3,4, TAINWAN-5,6	QUARTERLY

#### 4.5. SUPPORT TO NEW MEMBERS, AND NUA MISSIONS

No	ACTIVITY	VENUE	TIMING
	<b>New units</b>		
4.5.1.	ENGINEER SUPPORT STRATEGIES	BELARUSIAN PLANT	19-23 AUGUST
4.5.2.	SOER RECOMMENDATIONS	BELARUSIAN PLANT	13-17 MAY
4.5.3.	OPERATIONAL READINESS ASSESSMENT, ORA (AV) (1-2 TRANSLATORS REQUIRED)	LENINGRAD PLANT 5,6	FEBRUARY - MARCH
4.5.4.	CHEMISTRY EQ.1	LENINGRAD PLANT 5,6	NOVEMBER
4.5.5.	OPERATIONAL READINESS ASSESSMENT, ORA (AV)	TIANWAN PLANT 5	MAY
4.5.6.	MONITORING AND REGISTRATION OF PARAMETERS DURING UNIT START-UP	MOCHOVCE PLANT 3,4	SEPTEMBER
4.5.7.	IMPLEMENTATION OF START-UP-RELATED FIRE SAFETY STANDARDS	MOCHOVCE PLANT 3,4	2019

#### 4.6. EXTENSION OF WANO OPERATIONAL EXPERIENCE DATABASE TOWARDS THE WHOLE PLANT LIFETIME

WE SHOULD EXTEND THE WANO OE DATABASE AND INCLUDE DATA FROM THE PLANTS BEING CONSTRUCTED, UPGRADED OR DECOMMISSIONED.

AS PER THE NUA PROJECT INITIATIVE, NEW ELEMENTS ASSOCIATED WITH THE PLANTS UNDER CONSTRUCTION, UPGRADING OR DECOMMISSIONING, WILL BE ADDITIONALLY INCORPORATED INTO THE WANO OE DATABASE WHICH HAS TRADITIONALLY FOCUSED UPON THE OPERATING UNITS. THERE WILL BE ESTABLISHED A WORKING GROUP TO REVIEW POSSIBILITIES OF EXTENDING THE DATABASE AND TO RECOGNIZE WHICH TRAINING MODULES WOULD BE NEEDED BY THE INDUSTRIAL NEWCOMERS TO PROVIDE THEM WITH THE GOOD OPERATIONAL EXPERIENCE AND CLEAR RESPONSIBILITIES ON OPERATIONAL EXPERIENCE EXCHANGE.

No	ACTIVITY	VENUE	TIMING
4.6.1	PARTICIPATE IN THE WORKING GROUP FOR UPDATING THE POLICY 5 ON NEW MEMBER PLANTS AND PLANTS BEING DECOMMISSIONED	WANO MOSCOW CENTER	2019
4.6.2	EXTEND THE OE DATABASE TOWARDS PLANTS UNDER CONSTRUCTION, STARTUP AND COMMISSIONING	WANO MOSCOW CENTER	2019
4.6.3	DEVELOP THE OE GUIDELINE FOR NEW UNITS	WANO MOSCOW CENTER	2019
4.6.4	COLLECT DATA AND KEEP THE DATABASE	WANO MOSCOW CENTER	2019
4.6.5	PARTICIPATE IN THE WORKING GROUP FOR EXTENDING THE OE DATABASE	WANO MOSCOW CENTER	2019
4.6.6	ASSIST IN ESTABLISHING THE OE SERVICE IN THE NEWCOMER COMPANIES	BELARUSIAN PLANT	2019
4.6.7	ASSIST IN ESTABLISHING THE OE SERVICE IN THE NEWCOMER COMPANIES	FENNOVOIMA Oy (HANHIKIVI-1, FINLAND)	2019

#### 4.7. ANALYSIS OF ENERGY POLICY, FINANCIAL AND GEOPOLITICAL CONDITIONS

WE SHOULD UNDERSTAND AND MONITOR THE CHANGING ENERGY POLICY, FINANCIAL AND GEOPOLITICAL CONDITIONS, AND THEIR IMPACT UPON THE NUCLEAR SAFETY.

No	ACTIVITY	VENUE	TIMING
4.7.1	PARTICIPATE IN NUCLEAR POWER CONFERENCES IN NEW REGIONS	TO BE CONFIRMED	2019
4.7.2	PARTICIPATE IN WORKING GROUPS FOR ENERGY POLICY	TO BE CONFIRMED	2019
4.7.3	CONDUCT ANALYSIS AND INFORM THE MC MEMBERS OF THE EXISTING SITUATION IN THE ENERGY POLICY, FINANCIAL AND GEOPOLITICAL CONDITIONS, AND THEIR IMPACT UPON THE NUCLEAR POWER	TO BE CONFIRMED	2019

#### 4.8. ORGANIZATION OF SUPPORT TO WANO MEMBERS EXTENDING THEIR FLEET, UPGRADING AND/OR DECOMMISSIONING THEIR PLANTS

WE SHOULD ASSIST IN ORGANIZING THE WORKSHOPS AND SEMINARS, AND OE SHARE TO THOSE WANO MEMBERS THAT FACE THE PROBLEMS RELATING TO EXTENSION OF THE NUCLEAR FLEET, UPGRADINGS AND/OR DECOMMISSIONING.

No	ACTIVITY	VENUE	TIMING
4.5.1	CONDUCT SEMINARS, WORKSHOPS AND MSMS ON EXTENSION OF NUCLEAR FLEET, UPGRADINGS AND/OR DECOMMISSIONING		
4.5.1.1	WORKSHOP ON PREPARATION TO DECOMMISSIONING AND DECOMMISSIONING OF THE PLANT UNITS		2019