



**WANO**  
GLOBAL LEADERSHIP IN NUCLEAR SAFETY

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Pages 2

**To: Mr. Hossein Ghaffari, Bushehr NPP President and CEO**

**Copy: Representative WANO-MC on site Bushehr NPP**

**From: Mr. Vasily Aksenov, Director, WANO Moscow Centre**

**Subject: New draft PO&C 2013-1 Rev 2**

**Dear Mr. Ghaffari!**

The World Association of Nuclear Operators (WANO) PO&C 2013-1, Performance Objectives and Criteria (PO&Cs) are standards for plant and corporate performance intended to promote excellence in the operation, maintenance, support and governance of commercial nuclear power plants. This PO&C document is not just used for peer reviews but it represents the WANO performance standards for nuclear excellence, and is applied by many WANO members to perform self-assessments and is useful for new-build units.

In early 2018, the WANO Executive Leadership Team (ELT), consisting of the WANO Chief Executive Officer (CEO) as well as the four regional centre Directors, decided to revise the PO&Cs. This revision is intended to make it easier to use, to enhance its clarity, to incorporate recent operating experience, and to address areas of increased industry emphasis (such as risk management). Many of the changes are to clarify the wording and to restructure the document. We have not made substantial changes to most of the document.

A working group from all four WANO regional centres has worked on the revision of the PO&C for about nine months. This draft (Revision 2) is just an update rather than a complete rewrite of the document. After formal agreement by the WANO Governing Board, it is planned to become effective later in 2020 and will supersede the PO&C 2013-1 Rev 1, dated January 2019.

I would like to ask you to perform a high-level review of the enclosed draft, WANO PO&C 2013-1 Rev. 2. Detailed comments on the wording of the criteria are not requested. I would like you to focus on the performance objectives in particular to identify any points that are unclear, ambiguous, or that could result in an unintended difficulty in meeting the objective.

**I would appreciate your written feedback by 19 April 2019.**

The existing version of the PO&C 2013-1 Rev 1 is also attached to support your work with this document.

The major changes in the recent draft PO&C Revision 2 are as follows:

The structure of the document has changed from the previous version to make it easier to use. The functional and cross-functional areas have been combined and arranged in an order that groups objectives with a similar focus together.

Nuclear Safety Culture (SC.1) was moved to the beginning of the Foundations section to reinforce the concept that nuclear safety should be the overriding priority.

In the revised LF.1 area, the Nuclear Leadership Effectiveness Attributes developed by the industry working group on leadership have also been considered.

Organisational Effectiveness now contains three performance objectives. The new Management Systems (OR.1) and the new Manager Effectiveness (OR.2) objectives combined the old OR.1...OR.4 and focus on a description of the management system used to support the organisation and on manager behaviours.

A new Risk Management performance objective (RM.1) has been developed and added to the Effective Organisation chapter combining and extending significant risk management aspects with consideration of the relevant WANO documents (principles PL 2013-2, Excellence in Integrated Risk Management and SOER 2015-2, Risk Management Challenges).

The former Performance Improvement objectives (PI.1...PI.3) have been combined into one common objective Performance Improvement (PI.1). The basic content has remained the same.

The Training area has been rewritten into two more structured and focused performance objectives on Training Fundamentals (TR.1) and Conduct of Training (TR.2).

The Fuelling Activities (former FA.1, now NF.1) and Nuclear Fuel Management (former CM.4, now NF.2) have been combined into one Nuclear Fuels area with no change in the content.

A new Fire Safety (FS.1) has been developed to address the impact of the general staff on fire protection issues.

The former Radiological Protection objectives (RP.1...RP.4) have been combined into two objectives of Radiological Protection Fundamentals (RP.1) and Conduct of Radiation Protection (RP.2) in the Safety and Protection section similarly to Operations and Maintenance.

Further process

After receiving feedback from the regional offices and the member companies, the PO&C working group will resolve all comments provided from the members of the four WANO regions by early May. The ELT is expected to agree on the final draft on their meeting on 21 May and submit it to the Main Governing Board for their approval in June. Subsequently, an implementation plan will be executed that includes revision of supporting PO&C documents, training of personnel and a communications plan.

Thank you for your early response and general feedback about the new draft PO&C 2013-1 Rev 2 in advance.

**Mr. Vasily Aksenov**  
**Director**  
**WANO Moscow Centre**



Attachments (were sent by e-mail to Representative WANO-MC on site):

1. New draft PO&C 2013-1 Rev 2 for your comments.
2. Current edition PO&C 2013-1