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|  | **World Association of Nuclear Operators** **Moscow Centre****WANO – MC**25 Ferganskaya, Moscow, 109507, RussiaPhone. +7 495 376 15 87Fax: +7 495 376 08 97info@wanomc.ru |

**REQUEST**

**to provide technical and organizational information via WANO**

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| 1. **NPP/Organization:** Temelin NPP / CEZ Group
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| 1. **The topic of information request:** Operation on natural circulation.
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| 1. **The goal of information request:** Collecting information about operation on natural circulation.
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| 1. **Problem description:**  We are creating new documentation on block cooling in the natural circulation mode for the VVER100 project. We want to describe the mode when it is necessary to use cooling for natural circulation until the transition to normal cooling by the TQ system.
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| 1. **Specific questions**:

5.1. Did any of the units in the VVER 1000 project have the unit cooled down in natural circulation after the reactor was shut down until the transition to after-cooling by the TQ system?5.2. Is your project considering VVER1000 with cooling in conditions of natural circulation outside emergency situations?5.3. Have you developed a procedure / regulation addressing the stabilization of the unit after a complete loss of power, including control and treatment of auxiliary systems I.O and II.O and subsequent cooling in the mode of natural circulation? Is it possible to provide any information or documentation?5.4. Does your power plant have a defined maximum stabilization time for natural circulation (before starting cooling on the natural circulation)? |
| 1. **Proposed organizations for sending this request:** NPP VVER1000 with experience operation on natural circulation.
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| 1. **Department – request initiator:** Operating Modes Management Department
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| 1. **Contact details of the requester:**

Petr Kmínek Head of the Operating Modes Management DepartmentMobil: +420 601 315 218E-mail: petr.kminek@cez.cz  |
| 1. **Date of request:** 27.05.2021
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The request created by:

WANO MC on site representative at the Temelin NPP

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