Article 1  Purpose
The purpose of this document is to provide rules governing the use of the supercomputer (hereinafter referred to as “K computer”) managed and operated by the RIKEN Center for Computational Science (hereinafter referred to as “R-CCS”) as provided in the Law on the Promotion of Public Utilization of the Specific Advanced Large Research Facilities (Act No. 78, 1994; hereinafter referred to as “Public Utilization Law”).

Article 2  Purpose of use
In adherence to the Public Utilization Law, the K computer may only be used to contribute to the development of science and technology.

Article 3  Computing resources
The configuration of the K computer is shown in Attachment 1

Article 4  User qualification
1. The K computer may be used by individuals selected or confirmed as “General Users” by the Registered Institutions for Facilities Use Promotion stipulated in Article 8 of the Public Utilization Law (hereinafter referred to as “Registered Institutions”) and are involved in research projects in the general use category (including projects of Registered Institutions as stipulated in Article 12 of the Public Utilization Law), the post-K computer R&D category, the priority projects category, and the accelerated projects category.
2. Individuals engaged in work to stabilize the operation of the K computer, such as those performing operational adjustments, optimizing facility efficiency, improving convenience for users, and conducting research to expand the scope of use and enhancement of the facility, together with those approved by the director of the RIKEN Center for Computational Science (hereinafter referred to as “R-CCS Director”) as individuals having skills for the optimization and upgrading work, or for research and development of the K computer’s successor (including support activities on behalf of the Registered Institutions) may use the K computer and are hereinafter referred to as “Adjustment and Optimization Users”. The General Users and the Adjustment and Optimization Users are hereinafter collectively referred to as “K Users.”

Article 5  User registration and period of use
1. R-CCS will be in charge of issuing user accounts for the General Users, and the Registered Institutions will be in charge of giving notification of the accounts.
2. The Registered Institutions will be in charge of determining the period of use for the General Users.
3. The R-CCS Director will be in charge of issuing and giving notification of user accounts for the Adjustment and Optimization Users.
4. The R-CCS Director will be in charge of determining the period of use for the Adjustment and Optimization Users.

Article 6  Responsibility of Users
1. K Users must strictly observe these Rules.
2. K Users must properly manage all material necessary for using the K computer, including their user accounts, and make efforts to prevent any unauthorized use.
3. General Users must not use the K computer for any purpose other than research projects selected or confirmed by the Registered Institutions. Adjustment and Optimization Users must not use the K computer for any purpose other than that approved by the R-CCS Director. K Users must not allow third parties to use the K computer.
4. K Users must follow the policies of the R-CCS Director or the Registered Institutions for ascribing use of the K computer in their research, disclosure of their research results, and similar matters.

Article 7  Restrictions on qualifications for use
1. In the event that a K User causes damage to the K computer, or where there is concern that a K User may cause damage to the K computer, the R-CCS Director may order the K User to make improvements.
2. If a K User does not make improvements as stipulated in the preceding paragraph or violates any of the provisions given below, the R-CCS Director may order that the K User stop his/her use of the K computer.
   (1) The K User violates these rules.
   (2) The K User’s account has expired.
   (3) The K User’s usage fees (K computer usage costs and actual costs) have not been paid.

Article 8  Usage fees
1. K Users must pay the usage fees to R-CCS according to the categories specified in Attachment 2
2. K Users must pay separately for expenses incurred when using facilities other than the K computer.

Article 9  Indemnification
R-CCS will provide a good environment to use the K computer. However, R-CCS is not liable for any damage or injury suffered directly or indirectly as a result of using the K computer.

Article 10  Stoppage of the K computer operation
R-CCS may stop the operation of the K computer without warning to K Users if any unavoidable failures occur.
**Article 11 Additional provisions**

Additional provisions needed for the operation of the K computer will be provided separately by the R-CCS Director.

**Attachment 1 Configuration of the K computer (Related to Article 3)**

| Compute nodes | 82,944 nodes (SPARC64 VIIIfx; 16GB of memory per node) |
| Interconnect  | Tofu (6-dimensional mesh/torus) Interconnect |
| Storage       | 40 PB (global file system) |

**Attachment 2 Usage fees of the K computer (Related to Article 8)**

<table>
<thead>
<tr>
<th>Category</th>
<th>K computer usage costs¹</th>
<th>Actual costs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disclosure of research results</td>
<td>Free of charge</td>
<td>Fixed amount: None</td>
</tr>
<tr>
<td>(Other than projects supported with competitive funds)²</td>
<td></td>
<td>Variable amount: Calculated individually according to usage quantity of computer resources</td>
</tr>
<tr>
<td>Non-disclosure of research results</td>
<td>14.53 yen/node-hour³</td>
<td></td>
</tr>
<tr>
<td>(Projects supported with competitive funds)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Notes**

1. The amount of usage in node-hours and the usage fees for each research project are calculated for every half-year period: Those of the first half year between April and September are calculated at the end of September, and those of the second half year between October and March in the next year are calculated at the end of March. R-CCS will notify K Users of these amounts at the beginning of October and at the beginning of April in the next fiscal year, respectively. As for projects which terminate before the end of the period, the amount of usage in node-hours and the usage fees for the projects are calculated on the final day of use for the K computer and these amounts are notified to K Users at the beginning of the next month. Notified amounts may be corrected by the end of the calendar month on which the notification is issued if any corrections are required. Corrections cannot be made after the calendar month on which the notification is issued.

2. Projects that have been accepted by the Registered Institutions as “K computer general projects (competitive funding)”.

3. Only the volume of computing resources actually used by the K User is charged. The volume which could not be used due to failures of the K computer is not charged.