# IDS R2A2

**Background information**

Job description (R2A2)

**Name:** Iamada Taex Pert

**Job title:** Instrument Data Scientists for *technique or instruments*

**Job type and job level**: Scientist D

## Role

Manage DMSC deliverables to instrument and user program and support these programs with expertise in scientific computing solutions, especially those supported by the DMSC

## Responsibilities

- Liaise with the relevant instrument teams and technology groups to establish and maintain an effective interface with DMSC activities
- Act as expert in software, data processing, data science, simulations and scientific computing for relevant instrument teams
- Work with the user community to find suitable solutions for their scientific computing needs
- Represent DMSC at relevant instrument STAP meetings
- Coordinate and share knowledge with other instrument data scientists and DMSC technology groups to facilitate sustainable solutions, avoid duplication of work, and foster a collaborative spirit
- Contribute to the development of open-source software where needed and appropriate
- Oversee, review, evaluate and take ownership of DMSC deliverables to relevant instruments, specifically the full data processing pipeline
- Act as the user community's advocate and assume an active approach
- Provide constructive feedback to DMSC development teams where relevant
- Maintain and update roadmap and / or project schedule for DMSC deliverables to relevant instruments
- Conduct scientific or technical research and author scientific or technical publications in the field of scientific computing and neutron scattering
- Take part in peer review of scientific publications, grant proposals, research, and facilities
- Represent ESS at appropriate conferences and workshops
- Establish and maintain constructive contacts with the research and innovation community
- Present scientific and technical research at relevant conferences and workshops, and in seminars and lectures
- Supervise post docs and students and participate in teaching, as appropriate
- Keep relevant instrument models up to date at an appropriate level of fidelity
- Spend up till 20% of time on local contacting for user experiments in alignment with instrument team
- Support users with treating, analyzing, modelling and simulating data from experiments at ESS in alignment with instrument team
- Provide training on the DMSC software suite to instrument teams and users

## Accountabilities

- To Line Manager
- To Project Manager for reporting on deliverables
- To Instrument Teams for providing expert advice on scientific computing
- To fellow staff, for effective communication, safe and professional conduct

## Authorities

- Initiate and request resource for activities as needed to meet the responsibilities;
- Manage assigned resources to complete assigned tasks and responsibilities;
- Identify personal trainings and development needs to stay current with state of the art technology.
- Delegated responsibilities from Line Manager

**Reference documents:**

Code of Conduct, Functional description, Individual employment agreement, Work environment policy, Job level description and Project R2A2 (if relevant).

*All job descriptions should be uploaded by the line manager on the Share server/Collaboration Area/R2A2. Name the document "surname, first name, R2A2, date".*

**Definitions**

**Responsibilities:** The description of the tasks, activities, projects etc. that the employee is responsible for to initiate, drive, implement and finalize in the current job.

**Accountabilities:** To be held answerable to a specific position/individual for fulfilling a responsibility for which the employee has the authority to act.

**Authorities:** Decision-making powers and controls required to fulfil the responsibilities for the job without approval of others.

**Hints:**

- When in doubt regarding whether to include some job element or not - include it. It will be easier to delete it later than to recall it later. Also, including it may help you and your supervisor to clarify its importance in your job.
- Acquiring or maintaining knowledge, or understanding of a discipline, procedure, policy is not considered a responsibility. The responsibility is what is done with the knowledge. Creating knowledge, however, as in research, may constitute a job responsibility for many scientists and engineers.
- Examine responsibilities to help determine accountabilities. Accountabilities identify (1) the effect or result of the fulfilling a responsibility, and (2) the party or parties who have the right to demand that result or effect. Those items listed under accountabilities should answer two questions: (1) Who has a right to expect a result (of a responsibility) from my job? and (2) What result should they be able to expect?
- Check authorities to ensure that each has a direct link to one or more responsibilities, and that the definition of each authority is sufficiently specific to permit a reader to identify those responsibilities to which the authority is linked.