

Annex No. 3 - Technical Specification

Public Contract: “Design modifications of neutron optics system for BEER – part II”

This scope of work describes additional research and service activities as defined in the Article 3.5 of the Contract for Work on the „Delivery of neutron optics system for the BEER diffractometer – part II – Round 2“ concluded on 29/12/2018 between the Contracting Authority and supplier NUVIA a.s.; the said Contract for Work hereinafter denoted as “CW”.

Based on the outcome of the intermediate design review carried out by ESS, *additional research and service activities* are required to meet the new ESS requirements for neutron guide alignment method, as specified below.

Requested work

- Design modifications of the slit system

according to the following **specifications**:

1. The slit system shall allow installation of the Huber type adjustable diffraction slit for beam shaping (Slit 3)
2. Slit 3 shall be removable on a remotely controlled lift (or a similar system) to allow full beam cross-section at the sample
3. The previously designed fixed aperture is not needed, only preparation for that

The results of requested design changes will be implemented in the final version of the updated SubTG3.2 documentation according to the standards and requirements specified in the CW.

Schedule

Deliverable	Date
Submission of updated SubTG3.2 documentation	30. November 2019