

EISCAT3D_PfP Project News

Welcome to the EISCAT3D_PfP project quarterly newsletter.

Manufacturing consulting project with Consoden AB successfully concluded

Consoden AB assisted EISCAT3D_PfP project in preparing the tendering documents, defining the procurement strategy and suggesting the tender evaluation procedure. The Consoden-EISCAT project successfully concluded with the delivery of request for quotation documents for the first stage receiver unit (FSRU), antenna unit (AU), pulse and steering control unit (PSCU) and the enterprise architect (EA) project model created to generate the tendering documents.

The National Instruments, Sweden is selected for the procurement of the First Stage Receiver Unit

The request for quotation (RfQ) for the first stage receiver unit (FSRU) attracted proposals from four companies. Each of the proposals was subjected to evaluations by EISCAT staff for technical, financial and scheduling criteria. The successful bid was from National Instruments (NI), Sweden and hence, NI was awarded the contract for the delivery of FSRU.

The FSRU project with NI started in October 2016 and the kick-off meeting was held on November 8, 2106 via Skype. For the duration of this project, the EISCAT3D_PfP project staff and the NI will communicate primarily via weekly Skype meetings and the vendor's community webpage.

The procurement of Antenna Unit

The published request for quotation (RfQ) for the antenna unit (AU) attracted four proposals. The proposals are being evaluated by EISCAT staff for technical, financial and scheduling requirements. A contract for this unit will be signed in the coming weeks.

The procurement of Pulse and Steering Control Unit

The tender for procuring the pulse and steering control unit (PSCU) was published on the EISCAT website¹ in September 2016. Three proposals were received and they are presently under evaluation by EISCAT staff.

The Solid-State Power Amplifier unit project status

The solid-state power amplifiers are being provided to the EISCAT3D_PfP project as an in-kind contribution by NIPR in Japan. This contribution takes the form of development activities by the NIPR-selected vendor, Mitsubishi Electric Corporation. An online meeting (via Skype) was held on October 28 to discuss the technical details of solid state power amplifier (SSPA) project, with special emphasis on the interfacing requirements with the other components of the test subarray.

¹ https://www.eiscat.se/tenders/procurements-relating-to-the-eiscat3d_pfp-preparation-for-production-project

The meeting was attended by NIPR Japan, Mitsubishi Japan and EISCAT3D_PfP project staff. During this meeting, NIPR Japan indicated that EISCAT3D_PfP project can expect to receive 19 SSPAs in the spring of 2017. Further, Mitsubishi will conduct a technical demonstration of the SSPA in January 2017. As a follow-up to this online meeting, NIPR will visit EISCAT headquarters in Kiruna, Sweden on December 9 to discuss the operational requirements of SSPA project.

Other EISCAT3D_PfP project news in brief

- The first periodic report of EISCAT3D_PfP project is published and it is available on the project homepage².
- The EISCAT3D_PfP project staff participated in the EISCAT Annual Review Meeting (ARM) held in Sommarøy, Norway from October 18-19. During this meeting, the EISCAT3D_PfP project team presented the technical details of each of the sub-systems as well as the current status of the project.



Participants at ARM 2016 in Sommarøy, Norway.

² <https://eiscat3d.se/content/periodic-report-1-1-september-2015-31-august-2016>