**WPSA Annual Project Planning Video Conference Meeting**
**Working Group Session WGO3 on the EDICAM camera project**

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| **Date:** | 1/4/2020 |
| **Chair:** | Eva Belonohy |
| **Participants:** | 42 in total including member of the EDICAM team from the Centre for Energy Research (Budapest, Hungary) as well as experts working on breakdown, ECWC, disruptions, runaways and protection system. |

**Overview**

The EDICAM camera project is the first and only European diagnostics installed on the JT-60SA tokamak for its integrated commissioning phase in 2020-21. The working group session WGO3 provided an opportunity for the team of the Centre for Energy Research (previously Wigner) responsible for the camera project and experts working on breakdown, ECWC, disruptions and protection to discuss the camera's technical capabilities and see examples of data it can provide for such studies.

**Actions and conclusions**

T. Szepesi first provided an overview of the EDICAM technical capabilities and planned commissioning activities.

- The discussion involved around the use of filters on the camera while noting that although a filter change can be done, it is expected to be a rare event and require a service day.
- T. Szepesi will circulate the test results using the camera in a high-neutron environment.
- C. Sozzi and T. Szepesi to check the camera's position in regard to the disruption mitigation system.
- T. Szepesi highlighted a potential issue with the EDICAM power supply system. Rectification of the issue will require the Hungarian team to visit the Naka site.

T. Szepesi showed in his second presentation the use of the EDICAM camera for various scientific studies.

- Investigate the use of the EDICAM camera to provide radial radiation profiles for ECWC modelling.
- The Hungarian team is working on the documentation of the EDICAM system (installation and maintenance manuals, user guides, training material) that will be integrated into the QST Data Handbook.

T. Lunt introduced the augpy and augtv software packages used at ASDEX Upgrade.

- There is interest in using augpy with 3D CAD drawings to help the camera calibrations and data analysis.

Any remote work if require would need an adequate remote computer and data access solution.

The presentations of this session are available at the meeting website at https://indico.euro-fusion.org/event/25/ .