

Distribution Code Review Panel**Meeting 67 – 4 January 2018****Panel Membership – New candidate for remaining vacancy.****Paper by Code Administrator**

Since the last Panel meeting in October a nomination for the remaining Panel vacancy has been received.
The candidate's details and experience can be found in appendix 1.

Panel Recommendation**The Panel is asked to consider request.**

Appendix 1

Mr Mark Horrocks

BEng Hons, MIET

Technical Manager - Electrical

McLellan and Partners Ltd

I have noticed there are a few spots open seats vacant on the panel and I would like to put my name forward as I am very interested in the way our electrical system is developing. I think that a combination of Digital inertia and traditional inertia is a key to the revolution of the next generation technology as we change the way we operate our systems. SMART microgrids are a keen interest of mine as more and more people are wanting to become more efficient whilst being sustainable. The T&D system is now becoming more and more transactional with its energy from users, as load customers are starting to generate, it now presents an interesting time where we can transform the way we operate to be more efficient.

My background is varied as, after the completion of my degree, I started off in the Royal Fleet Auxiliary as an engineering officer, having completed the traditional Electrical Artificers course. I dealt with many challenges from generation, distribution to I&C. From this platform I moved into the Nuclear industry, first dealing with the current generation fleet culminating with time spent at Sizewell B before moving on to the Hinkley Point C project where I was the Lead Electrical Engineer for conventional island, dealing with the contracts for the installation of all electrical plant the whole site, the transmission and distribution systems issues such as introducing a HV IT system on the power plant, and the transmission equipment such as transformers, 400kV breakers with its subsequent protection systems. I joined Lightsource as the Connections Design Manager, building a team around me, achieving NERS accreditation within a month of application and starting up a consultancy arm to the company. Within that time I had also joined the P28 sitting committee contributing to the RVC group and pushing for the harmonisation between Grid and Distribution. After this I took on a brief challenge at HVMS as the Design Manager, dealing with the 11kV connections and 33kV connections of renewable energy. Finally I joined McLellan and Partners as the Technical manager where I have been involved in a range of interesting projects as a consultant dealing with the MoD, Heavy Industry and Generation. I deal with some significantly large demand customers whom have a keen interest on the impacts and the opportunities that the current idea of SMART grids offer. Security of Supply is always important and I am passionate in making sure our grid is the best for security of supply.

- Sitting Member of the P28 Working Grouping – RVC subworking group
- Lead the creation of the first HV IT earthing system on a UK nuclear power station
- Created an awareness of the Arc Flash hazard for the MOD
- Expert witness for cases on Transformers
- Power Quality Analysis
- Understanding of heavy industry, SMART microgrids, Battery Storage, PV, nuclear power, Traditional Generation (contacts within these industries to allow the group's access to have presentations from them)

It would be a pleasure to work with the current members and I am willing to give the commitment it requires to ensure its success. I am happy to provide my CV if required.