

Network Innovation Competition 2020 Supplementary Answer form

Project Name	HyNTS FutureGrid Phase 1		
Question number	#1	Pro forma section	2
Question date	10/09/2020	Answer date	14/09/2020
Question summary	Please provide details of the operational team on the project and their individual contributions, demonstrating an efficient project management structure and measures taken to ensure there are no cost overlaps with the DNV-GL and HSE teams working on the H21 project?		

Answer (please retain document formatting and do not exceed 2 pages unless otherwise agreed with Ofgem)

The project organogram in Appendix E shows the roles and responsibilities of the DNV GL project team within the HyNTS FutureGrid-phase 1 project. The build of the low-pressure test facility for the H21 project will have finished prior to the start of the larger-scale build of the high-pressure transmission test facility for the HyNTS FutureGrid project which commences in April 2021. It is key to note that a large proportion of the resources required for the HyNTS FutureGrid project will be different from those required for the H21 project as specialised gas transmission skills and expertise are required, differing to those for gas distribution. With this

in mind and also considering that the FutureGrid programme would commencing build whilst the H21 programme would be moving into testing there would be no overlaps of project management including associated costs between the two programmes.

As DNV GL Spadeadam is a large-scale major-hazards testing site, the coordination and management of resourcing and site work is safety critical and a centralised control system is in use. There will be clear project management on site at DNV GL Spadeadam and regular resource planning meetings to ensure that project delivery stays on track. Project time recording will be auditable and will conform to ISO 9001 and it will be regularly monitored by the project manager.

The proposed role that Health and Safety Executive Science Division (HSE-SD) will have in the Future Grid NIC is a safety peer review and overview role and this will not duplicate the role of any other partner in the NIC. An HSE-SD Explosives Atmospheres scientist will provide independent peer review of the work produced in relation to the Test Plan by DNV GL and an HSE-SD Risk scientist will provide an independent review of the DNV GL produced Quantitative Risk Assessment (QRA). Additionally, there will be attendance at monthly project meetings by the Materials scientist who authored the 'Introducing hydrogen into the UIK gas transmission network: a review of the potential impacts on materials' report no EM/2019/27/R Oct 2019 for input to technical discussions and observations. This work will be carried out independently of any other NIC or NIA projects that HSE-SD are involved with. As part of HSE-SD systems and processes, Resource Managers allocate specialists to dedicated projects and Project Managers oversee delivery and this is possible because there are sufficient resources across teams to ensure that there are dedicated resources delivering on each project.

HSE-SD input to the H21 Phase 2 NIC funded project is currently underway and is programmed up to October 2021. The input from materials and explosive atmospheres resources will have reduced significantly by the time the Future Grid project commences and by the time key inputs from HSE are required.