DS3 Programme Status Update

19 January 2017

- The trial for the SNSP limit of 60% was launched in November 2016. This is currently ongoing for an initial period of 3 months.
- 11 RoCoF generator studies reports have been reviewed and signed off.
- 22 generators are now in the testing phase of the project. These generators will conclude their testing process by 1st March 2017.
- 5 minute WSAT upgrade was launched in the control centres in Dublin and Belfast on November 23rd 2016.
- Communications to wind farms were issued on the High-frequency protection scheme. The roll-out of settings has commenced and is due to continue throughout the month of January.
- DS3 re-programming is currently underway along with planning for the wider Innovation programme.
- Two events have taken place for the Power Off and Save project. The results are currently being analysed.

Status

Workstream	Commentary
Communications	• Tri-lateral meetings took place with category 2 generators in the RoCoF project at the start of October. • A DSM industry forum took place in Dundalk on the 25th of October. There was wide agreement that regular engagement would be beneficial to all stakeholders. The forum discussed and decided some of the main focus areas that need to be considered in future engagements. • A DS3 Industry Forum took place on the 29th November 2016. This session included international presentations from EDF and UVIG.
System Services	**2016 Procurement Process** • The new Interim Arrangement Framework Agreements went live on 1 October 2016, enabling 107 providing units in Ireland and Northern Ireland to provide DS3 System Services signalling the

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	activation of innovative System Services and greater flexibility available to the TSOs in system operation. **System Changes** • System changes for settlement and modifications to Electronic Dispatch Instruction Logger (EDIL) have now been completed for Interim Arrangements both in Ireland and Northern Ireland. • The system and user acceptance testing were successfully completed with the first settlement run in mid-November and statements issued to service providers during the first week of December 2016. • System Service Settlement Information sessions were held with service providers in October 2016. The information sessions were arranged to talk through the system changes and highlight to service providers any changes to reporting timelines and formats. Manual calculation spreadsheets were also provided to service providers to enable them to manually calculate their System Services payments. **Performance Monitoring** • The performance scalars for individual units for the December settlement month were calculated and communicated to DS3 System Services providers. • A Performance Monitoring Information Session was held in Dundalk on 8th December. Following feedback from industry on the performance scalar methodology, a further information session is being planned for February 2017. **Qualification Trial Process** • The DS3 SS Qualification Trial Decision Paper was approved by the RA's and published on 4 October 2016. • The OJEU Notice for the Qualification Trial Process was published on 5 November. A Bidders Conference was held on the 17th November in Dublin with 46 attendees representing a

	range of new and existing Service Providers and other interested parties. • 36 tenders were received by the submission deadline on 8 December. • The successful tenderers will be selected by the end of January 2017. The Trial will commence in March 2017 and will run until 31 August 2017. **Next Steps and Timelines** • Work is ongoing on redeveloping the project plan following the decision to extend the development and allow further consultation on Auction Design. It is expected that an updated plan will be agreed and communicated to industry in 2017. A supplementary document outlining the project plan and timelines will be included as part of this communication.
RoCoF	• Engagements with the Generators on the RoCoF project are ongoing. System Support has published template testing reports on the EirGrid and SONI websites for generators to review. • Rhode and Tanaghmore units have undergone testing and the units are currently developing their testing reports. Other study reports are under review and one unit report is currently outstanding. • HN2 and HNC have finished the process and have signed contracts for the RoCoF remuneration. • Engagements with the DSOs and their customers have taken place on how to progress the RoCoF project. • A DSO workshop took place at the start of October to engage with distribution connected embedded generator representatives. A discussion was had on how best to move forward on relay settings changes. Uptake has been slow to date and the DSOs have committed to further engagement with the embedded generator representatives. • NIE are currently finalising their studies on changing the RoCoF settings in NI. A consultation has been issued recently

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	which aims to clarify the issue around cost recovery for the upgrade works. The commencement of the roll out is expected in the new year following the close of the consultation.
DSM	• The Power Off and Save project is progressing well. • The results from the first Power Off and Save event, which took place on the 26th October have been analysed. There were 434 SEC users and 280 SPAYG users who received either SMS or a push-notification to their phone. The total energy reduction was 93.4kW. • The second Power Off and Save event took place 5th December – there were 822 participants for Event 2 – the results are currently being analysed. • The DS3 DSM forum took place on October 25th in Dundalk. It involved 47 people from across the key stakeholder groups including the TSOs, RAs, DSOs and the DSM community. The forum focussed on insights and perspectives in the challenges and opportunities for the evolution of DSM in Ireland and Northern Ireland.
Voltage Control	• ESB Networks are currently engaging with windfarms at Cauteen on the development of control schemes for the Nodal Controller. It is expected that testing of two of the windfarms begin in January 2017. • ESBN are currently working on the nodal voltage controller. A number of windfarms will be commissioning over the coming months and will require signalling to be upgraded to participate. Discussions internally have taken place to scope and budget for these works.
Frequency Control	• EWIC exports project is progressing. A briefing note was submitted to IWEA and CER to update them on proposals to change interface protection on the transmission system. IWEA seemed broadly happy with the proposals put forward. • A note on the high-frequency scheme has been issued to affected wind generators. The roll-out of protection settings changes has commenced and is due to continue over the next

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	month.
Control Centre Tools & Capability	• A potential solution to the interation between frequency and dispatch setpoint in the Wind Dispatch Tool has been identified. Initial engagement with the vendor is underway.
WSAT – Wind Security Assessment Tool	• 5 minute run WSAT upgrade has been in operation in the control centres in Dublin and Belfast since November 23rd.