



DS3 Advisory Council Risk Workshop

Report from Risk Workshop 23rd September

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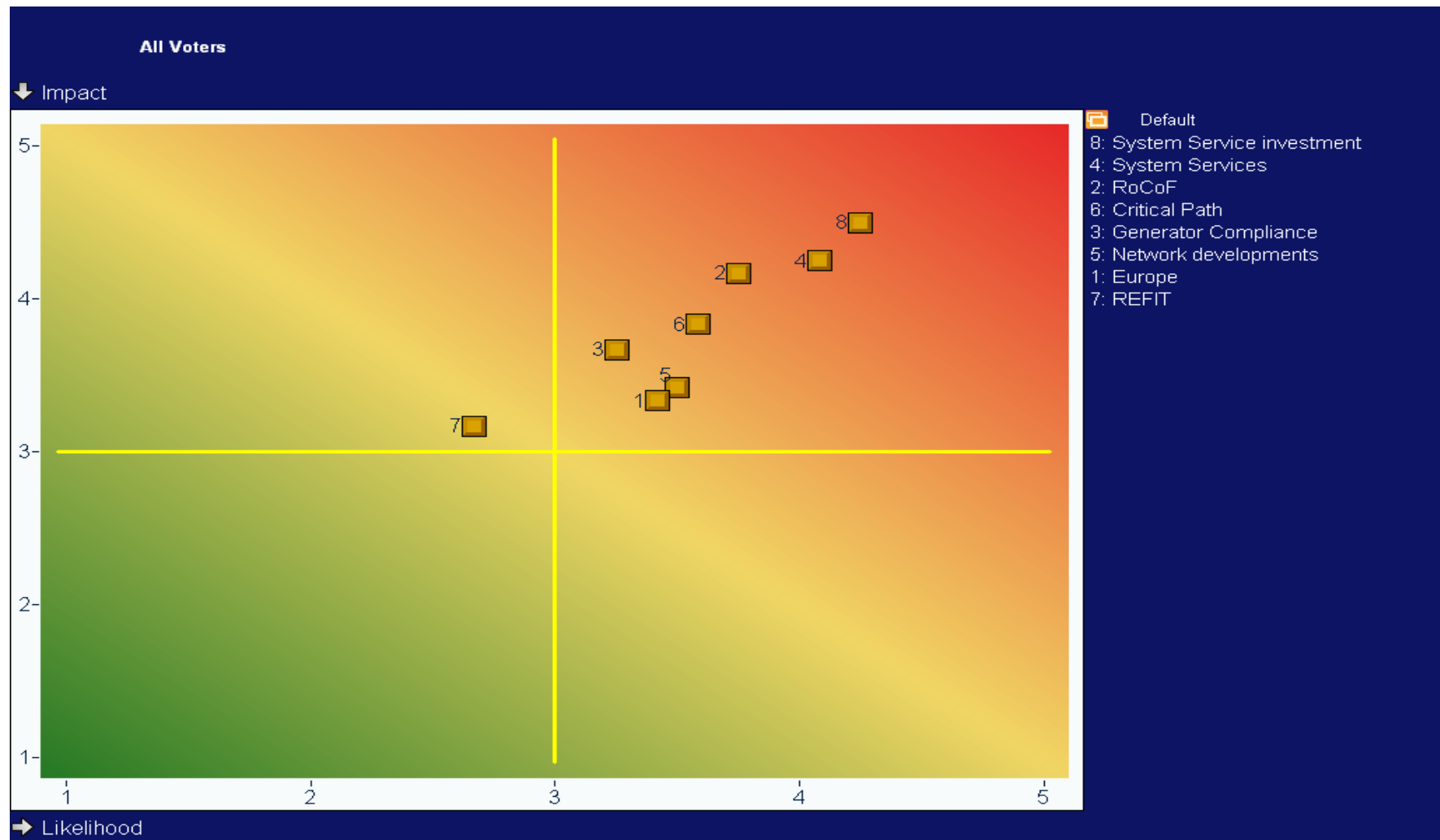
1. Introduction & Aims

A workshop was held on 23rd September 2014 to capture the risks that may impact on the ability of the DS3 Programme to deliver its objectives, namely developing solutions to the challenges of operating the electricity system in a secure manner while facilitating 2020 renewable electricity targets. The following participated in the Risk Workshop:

- Caitriona Diviney, IWEA;
- Joe Duddy, RES;
- Peter Duffy, Enercomm;
- Joe Durkan, SEAI;
- Peter Harte, Element Power;
- Carsten Junge, GE;
- Andrew McCorriston, UREGNI;
- Paul O'Halloran, ESBN;
- Grainne O'Shea, ESB;
- Donal Smith, Bord Gais;
- Colin Spain, Gaelectric;
- Peter Thomas, Nordex;
- Pamela Walsh, SSE;
- Brendan Woods, EirGrid / SONI.

The risks were reviewed and assessed before the workshop and any significant divergences in scoring were discussed.

2. Heatmap



3. Risk Ranking

The following table shows the ranking of the risks assessed in the workshop:

| No. | Risk Name | Description | Impact | Likelihood | Overall Score |
|-----|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------|------------|---------------|
| 8 | System Services Investment | Risk that there will be insufficient time to facilitate System Service investment. | 4.5 | 4.3 | 19.35 |
| 4 | System Services | There is a risk that there will be no clear System Services decision by the end of 2014. | 4.3 | 4.1 | 17.63 |
| 2 | RoCoF | There is a risk that a large number of generators are incapable of moving their RoCoF settings to 1 Hz/s over 500ms. | 4.2 | 3.8 | 15.96 |
| 6 | Critical Path | There is a risk that the critical path for DS3 is not clearly outlined. | 3.8 | 3.6 | 13.68 |
| 3 | Generator Compliance | There is a risk that a large number of older generators' equipment is non-compliant with Ireland/Northern Ireland Grid Codes. | 3.7 | 3.3 | 12.21 |
| 5 | Network developments | There is a risk that delays to network development will affect impact on DS3 Delivery. | 3.4 | 3.5 | 11.9 |

| No. | Risk Name | Description | Impact | Likelihood | Overall Score |
|-----|-----------|-------------------------------------------------------------------------------------------------------------------|--------|------------|---------------|
| 1 | Europe | There is a risk that the implementation of Network Codes and other EU interventions could impact on DS3 delivery. | 3.3 | 3.4 | 11.22 |
| 7 | REFIT | There is a risk that the lack of clarity on the future of REFIT contracts will impact on DS3 delivery. | 3.2 | 2.7 | 8.64 |

4. Interpreting the Results

There were 8 risks assessed by the Workshop participants with 3 of the risks ranking as high to very high impact and over 50% likely to occur:

- **8 – System Service Investment;** *the risk that there will be insufficient time to facilitate System Service Investment;*
- **4 – System Service;** *the risk that there will be no clear System Services decision by the end of 2014; and*
- **2 – RoCoF;** *the risk that a large number of generators are incapable of moving their RoCoF settings to 1 Hz/s over 500ms.*

A further 4 risks scored high impact and over 50% likely to occur:

- **6 – Critical Path;** *the risk that the critical path for DS3 is not clearly outlined.*
- **3 – Generator Compliance;** *risk that older generators equipment is non-complaint with Grid Codes.*
- **5 – Network Developments;** *risk that delays to network development will affect impact on programme delivery.*
- **1 – Europe;** *risk that implementation of Codes etc. could impact on DS3 delivery.*

5. Next Steps

In terms of next steps:

- Review the risk ranking for reasonableness (**by next Advisory Council Meeting**);
- Review the wording of the risks to ensure they best reflect the risk that was voted upon (**by next Advisory Council Meeting**);
- EirGrid DS3 Programme Team to initially identify current controls for those risks identified (**by next Advisory Council Meeting**);
- Advisory Council to agree the “Risk Response” to the 8 risks identified e.g. Treat, Tolerate, Transfer etc (**next Advisory Council Meeting**); and
- Ongoing review of progress of actions/controls (**Advisory Council**).