

I-SEM Milestones

November 2017

1.1 Milestone Descriptions – Includes update since the approval of JCR 170

Ref	Milestone & Description	RA / TSO	Baseline Date
1	Start Balancing Market System Design Balancing Market design work commences once BM vendor mobilised.	TSO	07 Dec 15
2	Additional Interpretation Paper Additional Interpretation paper required to develop areas not covered adequately by the ETA and AOLR decision papers	RA	27 Nov 15
3	Market Power BM Working Assumption Local Market Power Mitigation Measures Working Assumption Paper – paper providing sufficient information about the detail of the local market power mitigation measures to enable the completion of the balancing market system design.	RA	12 Feb 16
4	Market Power Phase 1 ET Paper The RAs will provide the TSOs with an update on the market power emerging thinking after the March SEM Committee. The key part of this update will be to update on consistency with or any changes from the working assumption on systems dependent areas provided in February 2016.	RA	04 Apr 16
5	End of BM System Design End of the technical and functional Balancing Market (BM) system design with the vendor. Implementation of the BM solution will follow.	TSO	26 Apr 16
6	Market Power I Decision Paper Paper detailing conclusions and decisions for Market Power 1.	RA	03 May 16
7a	I-SEM Technical Specification Release 1 – Vol C Balancing Market: interfaces, connectivity requirements (type 2/3), Trading reports	TSO	03 Jun 16
7b	I-SEM Technical Specification Release 2 Vol A Overarching; Vol B Technical: balancing market, NEMO focus; Vol C Balancing Market: settlement reports; Vol D NEMO: interfaces, connectivity requirements (type 2/3); Vol G Glossary.	TSO	08 July 16
7c	I-SEM Technical Specification Release 3 Vol B Technical: updates; Vol C Balancing Market: updates; Vol D NEMO: updates (incl. additional reports); Vol G Glossary: updates	TSO	05 Sep 16

Ref	Milestone & Description	RA / TSO	Baseline Date
7d	<p>I-SEM Technical Specification Release 5.0</p> <p>The publication date of Release 5.0 of the I-SEM Technical Specification, which provides the information necessary for participants to develop their systems to interface with the I-SEM central market systems.</p> <p>Release 5.0 will include the participant toolkit and details of the approach to Communication Channel Qualification Testing (CCQT), the process by which a participant ensures that they can communicate with the Central Market Systems.</p>	TSO	5 May 17
7e	<p>I-SEM Technical Specification Release 4.0</p> <p>The publication date of Release 4.0 of the I-SEM Technical Specification, which provides the information necessary for participants to develop their systems to interface with the I-SEM central market systems.</p> <p>Release 4.0 is a scheduled update to the existing documentation already provided, which will detail any new information or amendments which have come to light since the previous update (Release 3.1).</p>	TSO	31 Jan 17
7f	<p>I-SEM Technical Specification Release 6.0</p> <p>The publication date of Release 6.0 of the I-SEM Technical Specification, which provides the information necessary for participants to develop their systems to interface with the I-SEM central market systems.</p> <p>Release 6.0 will include the technical details of the Communication Channel Qualification Testing (CCQT), the process by which a participant ensures that they can communicate with the Central Market Systems by completing a range of scripted tests</p>	TSO	17 Jul 17
7g	<p>I-SEM Technical Specification Release 7.0</p> <p>The publication date of Release 7.0 of the I-SEM Technical Specification, which provides the information necessary for participants to develop their systems to interface with the I-SEM central market systems. Release 7.0 is the final release of the document before the start of the Market Trial; it will include any updates to content already published, plus anything specific which may be required for the Market Trial.</p>	TSO	13 Oct 17
7h	<p>I-SEM Technical Specification Release 3.1</p> <p>Vol E CRM: interfaces, reports, connectivity requirements</p>	TSO	28 Oct 16
7i	<p>I-SEM Tech Spec 8.0</p> <p>The final scheduled release of the I-SEM Technical Specification before Go Live. Release 8.0 will therefore contain any final updates to content (e.g. arising from operation during the Market Trial) and any specific information in relation to Go Live</p>	TSO	28 Feb 18

Ref	Milestone & Description	RA / TSO	Baseline Date
7j	Publication of Incremental Updates to I-SEM Technical Volume C (Release 7.1) and I-SEM Data Publication Guide (Issue 1.2) – Subject to JCR_341 Acknowledging the importance of delivering the updated Reports Specifications to the market, and the need to instill confidence within the Market Participant community regarding the changes, this milestone reflects publication of Incremental Updates to I-SEM Technical Specification Volume C (Release 7.1) and I-SEM Data Publication Guide (Issue 1.2).	TSO	01 Dec 17
8	Participant Interface Testing Begins Participant Interface Testing (PIT) begins. PIT is the process by which each Market Participant validates and demonstrates that it can successfully satisfy the requirements of the interfaces to the central market systems. It is a prerequisite for a participant entering the Market Trial.	TSO	7 Sep 17
9	BM engine certification complete Completion of a process of independent certification testing to verify compliance of the Balancing Market scheduling and pricing systems with the Trading & Settlement Code..	TSO	24 Nov 17
10	Participant Interface Testing Complete The date by which the period of Participant Interface Testing (PIT) is completed. PIT is the process by which each Market Participant validates and demonstrates that it can successfully satisfy the requirements of the interfaces to the central market systems. It is a prerequisite for a participant entering the Market Trial.	TSO	30 Nov 17
11a	DAM/IDM application deadline (for inclusion in Market Trial) Part 1 MT Deadline date for submission of SEMOpx exchange applications and ECC applications (excluding confirmation of the clearing members/settlement bank) for Market Trial and pre-registration for Go-Live.	TSO	07 Aug 17
11b	DAM/IDM application deadline (for inclusion in Go-Live) Part 1 GL Deadline date for new members not participating in Market Trial to submit SEMOpx exchange applications and ECC applications (excluding confirmation of the clearing members/settlement bank) for registration for Go-Live.	TSO	01 Dec 17
11c	DAM/IDM application deadline (for inclusion in Market Trial and Go-Live) Part 2 MT&GL	TSO	07 Feb 18
12	Balancing Market Principles Statement Terms of Reference Consultation The Balancing Market Principles Statement (the BMPS) will clarify for all market participants how the TSOs will schedule and dispatch the system. The Terms of Reference (the ToR) for the BMPS are developed through consultation	RA	27 May 16
13	Balancing Market Principles Statement Terms of Reference Decision Publication of the Terms of Reference following the above consultation.	RA	03 Oct 16
14	Issue consultation on BMPS Consultation paper on a draft of the Balancing Market Principles Statement	TSO	07 Apr 17
15	Publish approved BMPS Publication of the approved Balancing Market Principles Statement	TSO	31 Aug 17

Ref	Milestone & Description	RA / TSO	Baseline Date
20	CRM Decision 1 Paper setting out conclusions and decision on CRM1 (overall Capacity Requirement, Eligibility Rules, Product Design, Supplier Arrangements and Institutional Arrangements).	RA	02 Nov 15
21	CRM Consultation 2 Second consultation paper of three setting out key aspects the CRM design; includes Contractual Arrangements, Eligibility of Cross Border Participation, Secondary Trading Arrangements and Transitional Arrangements.	RA	04 Nov 15
22	CRM Spec Ready Rules This document provides the spec-ready rules for the I-SEM CRM. It is intended to provide sufficient information about the detail of I-SEM CRM to enable the specification of a system of sufficient complexity and breadth of functionality to implement CRM.	RA	15 Dec 15
23	Decision on CRM AMP or Alternative Decision on whether existing CRM AMP solution can be used or whether an alternative solution is required, which would require procurement of a vendor.	TSO	15 Jan 16
24	CRM Consultation 3 - Auction Rules Third consultation paper focusing on the development of auction rules and Market Power mitigation measures. The auction design itself will cover areas such as Auction Format and Bidding Rules.	RA	11 Mar 16
25	CRM Decision 2 Emerging Thinking Paper Paper setting out an early view of potential SEMC decision on CRM2. To include initial thinking on some of the detailed RO design considerations, cross border participation, secondary trading and transitional arrangements.	RA	30 Mar 16
26	CRM/DS3 Auction Model Decision Decision on the platform solution for the two auctions.	TSO	15 Feb 16
27	CRM Decision 2 Paper setting out the final decision on CRM2.	RA	10 May 16
28	CRM 3 Emerging Thinking Paper Paper focusing on early thinking on the development of auction rules and Market Power mitigation measures. The auction design itself will cover areas such as Auction Format and Bidding Rules.	RA	01 Jun 16
29	CRM Vendor Mobilised Mobilisation of the winning CRM vendor / service-provider	TSO	05 Aug 16

Ref	Milestone & Description	RA / TSO	Baseline Date
30	CRM 3 Decision Auction Rules Paper setting out and the final decision on CRM3. Third decision paper focusing on the development of auction rules and Market Power mitigation measures. The auction design itself will cover areas such as Auction Format and Bidding Rules.	RA	08 Jul 16
33	CM auction application deadline Last date for submission of applications of intent by parties wishing to participate in the capacity market.	TSO	03 Aug 17
36	Capacity Market Auction First Capacity Market Auction takes place	TSO	15 Dec 17
37	Capacity Market Code Consultation Paper Published Public consultation on draft CRM Rules	RA	09 Jan17
38	Capacity Market Code Publication Publication of the final Capacity Market Code, following consultation and approval by the SEM Committee	RA	02 Jun 17
39	Local Issues: Security of Supply Consultation It is recognised that particular emphasis is needed to support the transition to the new CRM, including the management of locational issues. For example, until the required transmission investment is commissioned, there is a possibility that a plant required for locational reasons may not clear in the CRM auction. The SEM Committee are considering a framework within the CRM design aimed at ensuring there is sufficient generation adequacy in areas that are considered capacity constrained.	RA	23 Aug 16
39a	Local Issues: Security of Supply Decision	RA	08 Dec 16
40	Forwards & Liquidity 1 Decision Decision paper on cross border Financial Transmission Rights. It should ensure consistency with the development of harmonised allocation rules on a Europe-wide basis.	RA	31 Oct 15
41	JAO: Decision on whether to develop FUIN Platform and if so, to have signed Agreement <i>If it is determined practical to undertake the development in the time available, an agreement is necessary to make the changes to the FUIN platform which would be required.</i> <i>FUIN refers to a region comprising France, UK, Ireland, and the Netherlands with HVDC subsea interconnectors</i>	TSO	11 Mar 16
42	JAO: JAO Initial Agreement to Commence Changes Agreement to make changes to JAO platform for the auction of transmission rights. These changes are necessary to accommodate us from April 2017.	TSO	06 May 16
43	Forwards And Liquidity (CFD) 2 Consultation Paper Paper to consult upon forward contract obligations and PX clearing house.	RA	03 Jun 16

Ref	Milestone & Description	RA / TSO	Baseline Date
45	Forwards & Liquidity (CFD) 2 Decision Paper SEMC decision on Forwards & Liquidity 2 consultation	RA	09 Mar 17
51	HAR and Access Rules Approval RA approval of: <ul style="list-style-type: none"> • Harmonised Allocation Rules (HAR) v3 [FCA art. 51] • IU regional HAR v3 annex [FCA art. 52 & 55] • Moyle access rules implementing HAR v3 • EWIC access rules implementing HAR v3 • IU regional design of long term transmission rights [FCA art. 31] • Single Allocation Platform requirements and cost sharing [FCA art. 49 & 59] 	RA	18 Oct 17
52	FTR Auctions commence Date of the first auction of financial transmission rights (FTRs) and the opening of arrangements for transfers/returns.	TSO	01 Mar 18
55	XBID Go/No Go Decision Decision on whether to rely on XBID as the intraday platform solution or to develop an alternative solution	TSO	15 Dec 15
56	Start of NEMO Design The NEMO systems design phase commences with the vendor/partner.	TSO	25 Mar 16
57	Proposed Interim Intraday Design TSO will present the proposed Interim Intraday Design to Regulatory Authorities.	TSO	30 Mar 16
58	End of NEMO Design End of the technical and functional NEMO service design with the vendor. Implementation of the NEMO service will follow.	TSO	30 Jun 16
59	Euphemia Trial Completed With the submission of the final report summarising the outcomes of the Trial and presenting a recommendation on the bid formats, the Euphemia Trial would be declared complete. That is, by this milestone date, all EUPHEMIA trial work outlined in SEMO's published plan would have completed and the final report submitted to the RAs, including the TSOs' recommendation on the bid format(s) best suited for I-SEM.	TSO	30 May 16
61a	Submit EUPHEMIA Change Request to PCR This Change Request is being raised to allow I-SEM participate in multi-regional coupling. The change request will include a full description of the I-SEM DA and ID markets and associated borders.	TSO	07 Oct 16

Ref	Milestone & Description	RA / TSO	Baseline Date
61b	Publication of report on I-SEM EUPHEMIA testing against Euphemia V.10 The TSOs will publish a report on the outcome of the assessment of the testing relating to the Euphemia order format(s) available for I-SEM against Euphemia Version 10.	TSO	31 Mar 17
61c	Publication of report for PCR Change Request against Euphemia V.9.5 The TSOs will publish a report on the outcome of the assessment of the testing relating to the Euphemia order format(s) available for I-SEM against Euphemia Version 9.5	TSO	31 Jan 17
61d	Approval of PCR Change Request PCR I approval of the Change Request which will confirm the bid format available for Day Ahead on I-SEM. This approval is against the version of Euphemia v10.01.	TSO	31 Oct 17
62	Publication of RA Paper re: NEMO Governance	RA	30 Aug 16
65	Publication of Market Rules Implementation Paper Publication of RA Information Paper on implementation of I-SEM Market Rules including TSC transitional arrangements and how I-SEM codes 'fit together'.	RA	18 Feb 16
66	Consolidated Rules Document Final output of Rules Working Group, a consolidated set of market rules, ready for TSC consultation.	TSO ¹	26 Oct 16
67	TSC Consultation Paper Published Consultation on the Consolidated Rules Document, which will consist of the draft I-SEM rules (including Agreed Procedures), the existing SEM rules, and the Transitional rules.	RA	11 Nov 16
68	Publication of final TSC Publication of the final version of the Trading & Settlement Code (TSC), including the Agreed Procedures, post consultation and approval by the SEM Committee.	RA	15 Mar 17
70	Project Managers Group established Inaugural meeting of a discussion and information forum for I-SEM project managers across industry.	TSO	17 Dec 15
71	Business Liaison Group established Inaugural meeting of an industry forum for communication, consultation and coordination on issues of business interest relating to I-SEM.	TSO	21 Jan 16

¹ Document is drafted by the TSO on behalf of the Rules Working Group (RWG); the RA Chair of the RWG would formally submit the document as a RWG output.

Ref	Milestone & Description	RA / TSO	Baseline Date
72	Technical Liaison Group established Inaugural meeting of an industry forum on topics of technical nature.	TSO	24 Feb 16
73	Participant Readiness Reporting Commences Reporting by participants to the TSOs on their state of readiness against a defined set of criteria; used as an input into Market Readiness reporting.	TSO	28 Mar 16
74	Market Readiness Reporting Commences Regular reporting to stakeholders providing an accurate and up-to-date visual summary of the status of market readiness across a broad set of metrics	TSO	05 Sep 16
75a	Market Trial Strategy Published This strategy document sets out the purpose of the 'as-real' full operational trial and details the approach to be taken, roles and responsibilities, legal framework, and an overall timeline for planning and preparation. It is a precursor document to the Market Trial Plan, which describes the detailed approach to the preparation and coordination of the Market Trial. It will provide parties with an insight into the detail to be described in the Market Trial Plan and also allow them the opportunity to help shape that detail.	TSO	20 Sep 16
75	Market Trial Plan Published Detailed approach to the preparation and co-ordination of the Market Trial.	TSO	16 Sep 16
76	I-SEM End-to-End Testing Commences Planned date of commencement of the end-to-end functional and technical testing of the fully configured central market systems, including the interfaces to pre-existing internal and external systems.	TSO	14 Aug 17
78	Training delivery commences The rollout of a classroom training programme to stakeholders, together with making available on-line training materials.	TSO	15 Aug 17
79	Market Trial Entry/Exit Criteria Published Market Trial Entry and Exit Criteria are defined and published. Entry Criteria must be met before a participant can begin Market Trial. Performance against exit criteria will be reported.	TSO	04 Aug 17
80a	#80a Market Trial Agreement Issued and Registration for Market Trial Commences Publication of the formal agreement ["the Market Trial Agreement"]. This marks the commencement of a process by which parties elect to participate in the Market Trial by entering into this formal agreement ["the Market Trial Agreement"] setting out the basis for the conduct of, and their participation in, the Market Trial.	TSO	01 Sep 17

Ref	Milestone & Description	RA / TSO	Baseline Date
80b	<p>#80b Deadline Date for Receipt of Signed Market Trial Agreements Advisory deadline date by which parties who elect to participate in the Market Trial must enter into a formal agreement ["the Market Trial Agreement"] setting out the basis for the conduct of, and their participation in, the Market Trial. It is a necessary requirement for participation in the Market Trial, along with completion of the registration process. It should be noted that parties may elect to return their signed Market Trial Agreements after this date, but in that instance it is not guaranteed that they will be able to be included from the start of Market Trial (assuming the registration process has also been completed on time and the party is able to self-certify that they meet the entry criteria).</p>	TSO	27 Oct 17
81	<p>Market Trial Decision To Proceed Decision to proceed with the Market Trial based upon an assessment of whether the Market Trial Entry Criteria have been satisfactorily achieved.</p>	TSO	17 Nov 17
83	<p>Training Complete Completion of all principal training for operating the market</p>	TSO	30 Nov 17
84	<p>Operational Readiness Complete Operational readiness of MO/TSOs to commence Market Trial, including development of all business processes and training complete.</p>	TSO	30 Nov 17
85	<p>Market Trial Commences Market Trial commences.</p>	TSO	01 Dec 17
86	<p>Market Readiness Confirm Go-Live Decision Regulatory Decision to confirm (or amend) readiness to proceed with the planned date for operational go-live of the I-SEM Balancing Market, Day Ahead Market, and Intraday Market. The likelihood is that there will be some sort of conditional decision (or at least an indication) of the Go-Live date.</p>	RA	11 May 18
87	<p>Market Trial Complete Planned date of completion of the Market Trial, which is an extended period of "as-live" operational trialling of I-SEM, but without the financial consequences. It will be open to all participants who sign the Market Trial Agreement.</p> <p>The Market Trial is a major contribution in demonstrating the readiness of I-SEM; it also allows all participants to practice operating in the new arrangements. The Market Trial does not include the trials of the FTR and CM auctions, which are executed separately. However, the Market Trial does include interfaces between the CM markets and the DAM/IDM, BM, and Imbalance Settlement. Information relevant to FTR outcomes will be provided during the market trial period, e.g. expected FTR pay-out from DAM and Day Ahead fallback as appropriate</p> <p>The transition/cutover strategy has yet to be defined, except for the objective of making it a smooth transition & cutover from Trial to live operation to the extent practical. As such, the Market Trial will run for as long as the cutover strategy determines is possible, before run-off of those arrangements commences and we cutover to the Market Trial.</p>	TSO	22 May 18

Ref	Milestone & Description	RA / TSO	Baseline Date
88	I-SEM Test Strategy Document that outlines the approach to the different phases of testing on the I-SEM programme. This document will cover the approach to participant interface testing and end to end testing including entry and exit criteria.	TSO	29 Jul 16
89	Market Readiness Strategy Strategy document detailing purpose, scope, responsibilities and main activities associated with the tracking and reporting over time of progress towards market readiness.	TSO	29 Apr 16
90	I-SEM Agreement Requirements Agreements identified which are required to have in place to fulfil post go-live roles e.g. TSO-TSO, market coupling, central algorithm agreements etc.	TSO	17 Dec 15
92	Submission of Mitigation Measures to Manage Conflicts of Interest for SEMC Approval Submission of suite of measures to manage conflicts of interests across TSO and MO roles and responsibilities to SEMC for approval.	RA	30 Jun 16
93	Final Recommendation to the Grid Code Review Panel of required Modification to the Grid Codes Submission by EirGrid/SONI to the Grid Code Review Panel of its recommendation for a Modification to the Grid Codes necessary for the introduction of I-SEM.	TSO	12 April 17
94	Approval of the Modified Grid Codes RA Approval of the Modifications to the Grid Codes required in each jurisdiction for the introduction of the I-SEM, after which the modified Grid Codes will be published.	RA	08 May 17
97	Publication of Mitigation Measures to Manage Conflicts of Interest Approval and publication of mitigation measures outlined in Milestone 92.	RA	29 Jul 2016
98	Market Readiness Plan The Market Readiness Monitoring Plan defines how progress towards market readiness will be monitored and assessed. Building on the Market Readiness Strategy (Milestone #89), its purpose is to define and communicate specifically (including the relevant metrics) how progress towards and achievement of readiness for trialling and live operation will be monitored, assessed, and reported.	TSO	15 Jul 16
101	Primary Legislation in Force (ROI) DCENR completes legislative changes for ROI	RA	26 Aug 16
102	Primary Legislation in Force (NI) DETI completes legislative changes for NI	RA	26 Aug 16

Ref	Milestone & Description	RA / TSO	Baseline Date
103	Secondary Legislation in Force (ROI) Amendment of SI 406 of 2007 to provide for I-SEM in Ireland. In addition to legislative changes in both jurisdictions, I-SEM will be implemented in Northern Ireland through licence changes and in Ireland through licence changes and through secondary legislation.	RA	21 Dec 16
104	TSO and MO Licence Changes (first tranche) – consultation publication Publication of consultation on first tranche of proposed licence changes for TSOs and MO	RA	20 Apr 16
105	Generation and Supply Licence Changes –publication Publication of proposed licence changes for Generation and Supply licences	RA	02 Jun 17
106	TSO & MO Licence Changes (second tranche) –publication Publication of 2 nd tranche of proposed licence changes for TSOs & MO	RA	16 Dec 16
107	TSO and MO Licence Changes (first tranche) – effective date The date when the revised TSO and MO licences are published and become effective, which contain the first tranche of changes	RA	20 Sep 16
108a	TSO and MO Licence Changes (second tranche) – effective date – EirGrid The date when the revised TSO and MO licences are published and become effective, which contain the second tranche of changes	RA	7 Apr 17
108b	TSO and MO Licence Changes (second tranche) – effective date – SONI The date when the revised TSO and MO licences are published and become effective, which contain the second tranche of changes	RA	5 May 17
109a	Effective date of ROI Generator and Supplier Licences Date that the revised Generation and Supply licences for the Republic of Ireland becomes effective.	RA	02 Oct 17
109b	Effective date of NI Generator and Supplier Licences Date that the revised Generation and Supply licences for Northern Ireland becomes effective.	RA	10 Nov 17
110	Consultation on all Supplier Charges This consultation process will consider and clarify the optimal charging basis for the recovery of all supplier charges, including inter alia, capacity, imperfections and Market Operator charges.	RA	21 Sep 16
111	Publish Supplier Charges Decision This decision will clarify the optimal charging basis for the recovery of all supplier charges, including inter alia, capacity, imperfections and Market Operator charges.	RA	30 Jan 17

Ref	Milestone & Description	RA / TSO	Baseline Date
113	<p>ETA Parameter Consultation - Part 1</p> <p>The publication of Part 1 of a public consultation on the proposed values of the parameters to be used throughout the Energy Trading Arrangements, and/or the associated methodologies for calculating those values.</p> <p>This consultation will be published in two parts, each representing a distinct set of parameters; this milestone represents the first tranche of ETA parameters, which will include those relating to Credit Cover and Imbalance Settlement.</p>	RA	2 Feb 17
114	<p>ETA Parameter Consultation - Part 2</p> <p>The publication of Part 2 of a public consultation on the proposed values of the parameters to be used throughout the Energy Trading Arrangements, and/or the associated methodologies for calculating those values.</p> <p>This consultation will be published in two parts, each representing a distinct set of parameters; this milestone represents the second tranche of ETA parameters, which will include those relating to operations and pricing.</p>	RA	16 Feb 17
115	<p>ETA Parameter Consultation Decision</p> <p>Publication of the RAs decision on the proposed values of the parameters to be used throughout the Energy Trading Arrangements, and/or the associated methodologies for calculating those values. A single consultation decision will be published relating to both parts of the consultation, which was published in two tranches.</p>	RA	02 Jun 17
116	<p>Consultation on Arrangements for Intermediaries</p> <p>Among other things, this is to consult on the eligibility criteria and arrangements for intermediaries moving from SEM to ISEM</p>	RA	20 Jan 17
117	<p>Decision on Arrangements for Intermediaries</p>	RA	03 May 17
118a	<p>Draft of NEMO Market Rules issued to BLG</p>	TSO	09 May 17
118b	<p>SEMOpX Market Rules Published</p> <p>These are the rules describing SEMOpX governance, admission, membership, Market Conduct, Contractual Matters; Dispute Resolution. It does not cover the Products or the Operating procedures.</p>	TSO	09 Jun 17
130	<p>Derating and Capacity Requirement Methodology Consultation issued</p> <p>Following input from the TSOs, the RAs will publish the capacity requirement and de ratings methodology consultation paper, which describes the proposed methodologies to calculate the capacity requirement and de ratings for the CRM. This document will also contain the draft indicative values that result from the proposed methodologies.</p>	RA	07 Jul 16
131	<p>Derating and Capacity Requirement final decision and initial factors published</p> <p>Following consultation, the RAs will publish the capacity requirement and unit de ratings methodology decision paper. This will include the final capacity requirement and de-rating values, plus the RAs' rationale for the decisions.</p>	RA	08 Dec 16

Ref	Milestone & Description	RA / TSO	Baseline Date
132	CRM Parameters Consultation Consultation opens for CRM parameters. The majority of these will be required before pre-qualification of the first auction. These parameters include (but are not limited to): Auction parameters; Implementation agreement; Strike price; Stop loss; Load following; Administered Scarcity Price (ASP); Supplier Charging and Socialisation;	RA	19 Sep 16
133	CM Parameters Published Following consultation, this milestone represents the publication of the RAs' decision detailing the initial values of parameters for the Capacity Market.	RA	27 Feb 17
134	Publication of the BCOP consultation paper	RA	09 Sep 16
135	Publication of the Bidding Code of Practice (BCOP) decision This milestone represents publication of the SEMC's decision in response to its consultation on "Offers in the I-SEM Balancing Market", which resulted from its review of the Bidding Code of Practice (BCOP). This review was necessitated by a requirement in the I-SEM Market Power Mitigation Decision Paper (SEM-16-024) for further clarity in the existing SEM wording of bidding principles (which require generators to bid cost reflectively), so that participants can form an expectation of what is considered reasonable bidding behaviour.	RA	28 Feb 17
136	Publish SEMO Price Control Consultation	RA	15 Sep 17
137	Publish SEMO Price Control Decision	RA	22 Dec 17
138	Publish Directed Contracts for ISEM (Round 1)	RA	01 Dec 17
140	Terms of Reference for the Capacity Market Auditor and Monitor - Consultation Paper The requirement for an independent auction monitor and auditor was set out in CRM Decision 3. The detailed role of both the monitor and auditor is set out in the Capacity Market Code. The RAs intend to issue a four week consultation on the ToR for the two roles. Following subsequent publication of the decision on the ToR, the auditor / monitor will be procured by the RAs through the OJEU channel	RA	25 Jan 17
141	Terms of Reference for the Capacity Market Auditor and Monitor - Consultation Paper The requirement for an independent auction monitor and auditor was set out in CRM Decision 3. The detailed role of both the monitor and auditor is set out in the Capacity Market Code. Following the publication of the decision on the ToR, the auditor / monitor will be procured by the RAs through the OJEU channel.	RA	05 Apr 17
142	Publish NEMO and SEMO Revenue Recovery Principles Paper for Consultation	RA	23 Mar 17

Ref	Milestone & Description	RA / TSO	Baseline Date
143	Publish NEMO and SEMO Revenue Recovery Principles Paper Decision The price controls covered in this paper cover the recovery costs that are incurred from the ISEM go-live date for both the SEMO and SEMOpx (as the designated NEMO). This paper covers the principles of the recovery.	RA	05 Jul 17
144	Publish NEMO Price Control Consultation This consultation intends to establish the revenue requirements and associated charges for the I-SEM SEMO and for SEMOpx as the NEMO. The outcomes of this workstream will be revenues and associated tariffs for SEMO and SEMOpx until the end of their designation periods.	RA	14 Jul 17
145	Publish Decision on SEM Active Revenue With the decision to move the ISEM go-live date from Oct 1st to May 23rd, revenue for operating the current SEM needs to be extended to be co-terminus with the ISEM go-live.	RA	03 Aug 17
146	Publish Decision on NEMO Price Controls The decision from Milestone 144	RA	06 Nov 17
147	Publish Consultation on Local Capacity Constraint	RA	13 Apr 17
148	Publish Decision on Local Capacity Constraints This decision focuses on the detailed methodology to determine which constraints should be included for the first transitional auction, and the definition of the constrained zones and the minimum requirements in each zone.	RA	3 Jul 17
149	Draft service contract and AoLR procedures issued for consultation	TSO	25 May 2017
150	Publish final version of the AoLR Service Contract and Procedures These documents will set out the contract terms for the AOLR agreement and the services that the AOLR will provide for eligible generators.	RA	8 Sep 2017
151	Commence Consultation on BMPCOP	RA	13 Apr 17
152	Publish BMPCOP Decision Following the publication of the Decision Paper “Complex Bid Offer Controls in the I-SEM Balancing Market” (SEM-17-020), the SEM Committee is launched a public consultation on the proposed Balancing Market Principles Code of Practice (BMPCOP) document. The proposed BMPCOP document, once finalised, will become the new set of ex-ante controls to operate in the I-SEM for complex bid offer data.	RA	3 Jul 17
153a	Implementation of Directed Contracts Commencement of Consultation	RA	01 Sep 2017
153b	Implementation of Directed Contracts Decision	RA	10 Nov 2017
154a	ESB’s DC Master Agreement & Subscription Rule(s) Commencement of Consultation	RA	01 Sep 2017
154b	ESB’s DC Master Agreement & Subscription Rule(s) Decision	RA	10 Nov 2017

Ref	Milestone & Description	RA / TSO	Baseline Date
159	Deadline for new TSC and CMC intermediary applications to be received by the RAs Note: this milestone refers only to those parties who wish to avail of a new intermediary arrangement. This is the date by which such participants should submit their Form of Authority (FoA) to the RAs in order to obtain RA consent for an intermediary arrangement.	TSO	30 June 17
161	Balancing Market applications complete Final date for receipt of registration applications for the Balancing Market	TSO	16 Jun 17
162	Approval of Intermediaries for the Capacity Market under the CMC and for the Balancing Market under the TSC Date by which approvals are required by the RAs for requests from participants for Intermediaries for the Capacity Market under the CMC and for the Balancing Market under the TSC	TSO	14 Jul 17
163	TSC/CMC Accessions Complete The date by which all Parties have either signed both the TSC and CMC framework agreements or acceded to the TSC and CMC as appropriate.	TSO	15 Sep 17
164	Approval of Final CM Auction Qualifications Formal approval by the RAs of the finalised Capacity Market Auction Qualification Decisions as determined by the Transmission System Operators	RA	01 Dec 17
165a	Publication of the Initial Capacity Auction Information Pack The Initial Capacity Auction Information pack will include the content specified in Paragraph D.3.1.2 of the Capacity Market Code and to be published in accordance with the timeline outlined in Paragraph D.3.1.1 of that Code. Participants should note that as detailed in Paragraph D.3.1.4 of the Capacity Market Code, where an indicative value is included in the Initial Capacity Market Information Pack, it is included for information only and is subject to change. <i>Note – all references to the Capacity Market Code relate to the consultation draft of that Code, published in January 2017, and are therefore subject to change.</i>	TSO	03 Jul 17
165	Publication of the Final version of the Capacity Auction Information Pack Update to the Initial Capacity Auction Information Pack to include the <u>final values</u> of the parameters to be used in the inaugural Capacity Market auction, as specified in Paragraph D.3.1.3 of the Capacity Market Code <i>Note – all references to the Capacity Market Code relate to the consultation draft of that Code, published in January 2017, and are therefore subject to change.</i>	RA	01 Dec 17
171	Publication of the Participant Interface Testing Approach Publication of a document which provides details of the test approach for Participant Interface Testing (PIT), the process by which each Market Participant validates and demonstrates that it can successfully satisfy the requirements of the interfaces to the central market systems. It is a prerequisite for a participant entering the Market Trial.	TSO	19 May 17

Ref	Milestone & Description	RA / TSO	Baseline Date
172	Early Integration Testing Commences Commencement of an early period of Integration Testing, which will provide for integration testing between vendor central systems in order to establish interface connectivity (i.e. inbound/outbound data flows); and simple business process handshakes (i.e. send / receive valid files, reject invalid files, etc.). This early phase of integration testing facilitates the bringing together of a multitude of different central systems over a period of time, so as to substantially iron out integration issues prior to End-to-End Testing. It is therefore a logical pre-cursor to the first stage of End-to-End (E2E) Testing.	TSO	22 May 17
173	CM engine certification complete Completion of a process of independent certification testing to verify compliance of the capacity market auction and pricing systems with the Capacity Market Code	TSO	16 Oct 17
174a	Central Systems Ready to Commence Market Trial This date relates to the planned date by which the central systems which are necessary to commence the Market Trial are fully developed and tested, ready for operation in the Market Trial. By necessary, it is those central systems which are required to operate Scenarios 1 to 4 of the Market Trial.	TSO	30 Nov 17
174b	Central Systems Ready to Complete Market Trial This date relates to the planned date by which the full suite of central systems are fully developed and tested, ready for operation in the Market Trial. These are the systems which are required to complete Scenario 5 "Full Market – Full Functions", and all subsequent Scenarios of the Market Trial.	TSO	29 Jan 18
180	Application for State Aid Submitted	Depts.	31 Jan 17
181	Receipt of Information/Status on State Aid Application	Depts.	08 May 17
182	Capacity Market Mock Auction In advance of the first Capacity Market Auction, there will be a single mock auction held. This Milestone represents the date of that mock auction, with all of the associated operational processes trialed over the course of the following five working days	TSO	04 Dec 17
183	Publish Consutation on T4 Parameters	RA	9 Oct 17
184	Publish Decision on T4 Parameters	RA	11 Apr 18
185	CM T-4 Auction	RA	27 Sep 18
186	Decision on State Aid (Subject to JCR231) The European Commission decision on State Aid with respect to the I-SEM CRM.	Depts.	17 Nov 17

Ref	Milestone & Description	RA / TSO	Baseline Date
190	<p>Submit HAR and Access Rules for approval Submission of the following for RA approval:</p> <ul style="list-style-type: none"> • Harmonised Allocation Rules (HAR) v3 [FCA art. 51] • IU regional HAR v3 annex [FCA art. 52 & 55] • Moyle access rules implementing HAR v3 • EWIC access rules implementing HAR v3 • IU regional design of long term transmission rights [FCA art. 31] <p>Single Allocation Platform requirements and cost sharing [FCA art. 49 & 59]</p>	ICO	18 Apr 17
191	<p>FTR Auction – Trial and Participant Test Plan Publication of a document detailing the plans for the FTR trial and participant testing. Date proposed to provide notice of expected testing activity.</p>	ICO	19 May 17
192	<p>FTR Auction – Initial Trial and Participant Test period start It is planned to facilitate up to 10 days of initial trial and participant testing during this window. This milestone indicates the earliest start for this</p>	ICO	03 July 17
193	<p>Year-ahead Interconnector Capacity Publication Interconnector capacity for the forthcoming year (aligned with required FTR auction periods) is calculated and provided to the ICOs</p>	TSO	02 Oct 17
194	<p>FTR Auction – Initial Trial and Participant Test period end It is planned to facilitate up to 10 days of initial trial and participant testing during this window. This milestone indicates the latest closing date for this.</p>	ICO	29 Sep 17
195	<p>FTR Auction - trading information update All details relevant to FTR Auction trading are to be published by this date. It is shortly after the rules approval (milestone #51) in mid-October and include an indicative auction calendar with product details, loss adjusted market spread calculations, and details on the FTR information to be produced as part of the central systems market trial.</p>	ICO	27 Oct 17
196	<p>FTR Auction – Trial, Training, and Participant Test period start In advance of the first FTR Auction, there will be a period of trialling, training, and testing during which a minimum of two auctions will be held. These trials will include market participants taking part in FTR auctions "as-live", but without financial consequences and without the award of FTR Options; the transfer and returns of FTR Options will also be trialed. This Milestone represents the opening of that period for trial, training, and testing (i.e. 'window opens')</p>	ICO	01 Jan 18
197	<p>FTR Auction – EWIC & Moyle service active with JAO This is the official start date of the EWIC and Moyle services with JAO. It is an internal milestone but facilitates the trial, training, and participant test activities mentioned in proposed new milestones 192.</p>	ICO	01 Jan 18

Ref	Milestone & Description	RA / TSO	Baseline Date
198	FTR Auction – Trial, Training, and Participant Test period end In advance of the first FTR Auction, there will be a period of trialling, training, and testing during which a minimum of two auctions will be held. These trials will include market participants taking part in FTR auctions "as-live", but without financial consequences and without the award of FTR Options; the transfer and returns of FTR Options will also be trialed. This Milestone represents the closing of that period for trial, training, and testing (i.e. 'window closes')	ICO	28 Feb 18
199	FTR Auction – EWIC & Moyle live on JAO platform. This is an internal milestone but indicates the point from which auctions will be configured on the JAO platform. Participants will subsequently be able to access this information (e.g. Auction Specifications) and enter default bids.	ICO	01 Mar 18
210	Framework Agreement between TSOs, ICOs & NEMOs for Day Ahead Regional Coupling The date, by which the Framework Agreement developed between TSOs, ICOs & NEMOs for Day Ahead Regional Coupling is ready for NRA approval. This Framework Agreement details the design of the Day Ahead regional coupling architecture with GB and project plan for joint activities amongst GB/I-SEM TSOs and NEMOs required to implement this architecture.	TSO	18 Apr 17
211	Framework Agreement between TSOs, ICOs & NEMOs for Intraday Regional Coupling The date by which the Framework Agreement developed between TSOs, ICOs & NEMOs for Intraday Regional Coupling is ready for NRA approval. This Framework Agreement details the design of the Intraday regional coupling architecture with GB and project plan for joint activities amongst GB/I-SEM TSOs and NEMOs required to implement this architecture.	TSO	03 May 17
212	Regulator approved Framework Agreement between TSOs, ICOs & NEMOs for Day Ahead Regional Coupling Regulatory approval of the framework agreement capturing the design of the Day Ahead regional coupling architecture with GB and the project plan for joint activities amongst GB/I-SEM TSOs and NEMOs required to implement this architecture.	RA	01 Jun 17
213	Regulator approved Framework Agreement between TSOs, ICOs & NEMOs for Intraday Regional Coupling Regulatory approval of the framework agreement capturing the design of the Intraday regional coupling architecture with GB and the project plan for joint activities amongst GB/I-SEM TSOs and NEMOs required to implement this architecture.	RA	01 Jul 17
214	Regulatory approval of Interim cross zonal arrangements and Regulatory Instruments The Interim cross zonal arrangements and associated cross-zonal policy issues and Regulatory Instruments have received the necessary regulatory approvals.	RA	31 Jul 17
215	MRC Approval Completion of the validation and approval process through the standard European processes managed by the MRC (Multi-Region Coupling) Joint Steering Committee.	TSO	02 Apr 18
216	Intraday Regional & Member Test complete Approval by regional project partners that the necessary regional technical and procedural testing has been satisfactorily completed for cross-border intraday auctions.	TSO	30 Apr 18

Ref	Milestone & Description	RA / TSO	Baseline Date
217	Day Ahead MRC, Regional & Member Test complete Approval by regional project partners that the necessary regional technical and procedural testing has been satisfactorily completed for regional day-ahead coupling.	TSO	30 Apr 18
230	High-Level Participant Training Approach Published Training approach summarizes the main assumptions of the training process and the training delivery model. It also defines engagement on the Participants side. This is a high-level document with the purpose to initiate Training Need Analysis for Participants and start discussion with Participants about Training Plan (operational plans for training delivery and performance support) for this target group.	TSO	28 Feb 17
231	I-SEM Data Publication Guide Issue 1 Initial description of data to be available on the SEMO website for market participants and details of how to retrieve it.	TSO	05 May 17
232	Participant Training Plan published Training Plan is a document which defines operational plans for training. It is created on the basis of Training Approach refined by Training Need Analysis. Training Plan is a critical document in understanding the 'What', 'How', 'When' and 'Who' regarding training which will allow us to successfully prepare and deliver learning interventions dedicated for Participants.	TSO	31 May 17
233	Self-learning environment opened for Participants Self-learning environment is a technological platform which enables the management of learning processes. It will allow organizing the self-learning space, monitoring and managing engagement of Trainees, manage training-related	TSO	01 Jun 17
234	I-SEM Data Publication Guide - Issue 2 Updated I-SEM Data Publication Guide, which details the data to be available on the SEMO website and explains how to retrieve it. This version will be issued prior to go-live, updated to address any learnings from the Market Trial or other changes.	TSO	28 Feb 18
240	Framework for Go Live Readiness	RA	10 Feb 17
241	Market Trial Plan Update Publication of an updated draft of the Market Trial Plan, primarily to include details of the mock auction for the Capacity Market.	TSO	12 Apr 17
242	Criteria, Governance & Contingency for Go Live Events	RA	11 May 17
243	Establishment of the Market Trial Working Group As detailed in the Market Trial Plan, this milestone represents the establishment of a Market Trial Working Group, which will consider and advise on preparations for the operational Market Trial.	TSO	28 Jul 17

Ref	Milestone & Description	RA / TSO	Baseline Date
244	<p>Publication of the Market Trial Participant Guide Publication of an initial version of the detailed participant guidebook to the Market Trial - a "how-to" reference guide to the Market Trial which will provide details of:</p> <ul style="list-style-type: none"> - how the trial is managed and organised; - timelines and calendars for the Trial; - the scenarios to be trialed; - communications during the Trial; - details of metric measurement and tracking; - details of reporting during the Trial. <p>The Guide will be kept updated through to the end of the Market Trial.</p>	TSO	20 Oct 17
250	<p>Go live The Operational Go-live date is the first calendar trading day in the I-SEM Balancing Market. Accordingly, the Day Ahead Market and Intraday Markets will open in time to support this first trading day for the Balancing Market.</p>	RA TSO	23 May 18

1.2 Milestones removed from Level 1/Level 2 plan following JCR170

Old Ref #	Milestone & Description	RA / TSO		
32	CRM System/Services Complete	TSO	01 Mar 17	
34	CRM: Participant Interface Testing Begins	TSO	05 May 17	
35	CRM: Participant Interface Testing Complete	TSO	18 May 17	
44	JAO Shareholder Agreement Complete	TSO	28 Nov 16	
46	JAO Agreement Concluded (SLA)	TSO	30 Jan 17	
48	Non-FTR Interconnector Solutions - Delivery Ready for Testing	TSO	28 Oct 16	
49	Non-FTR Interconnector Solutions - End of Integration Testing	TSO	13 Jan 17	
50	Coordinated Capacity Calculator (CCC) Live	TSO	03 Feb 17	
91	Network Code Compliance Register	TSO	02 Nov 16	
96	I-SEM Agreement Executed	TSO	01 May 17	
126	Detailed Forward Contracting Obligation (FCO) Technical Operation Rules Consultation Published	RA	03 Oct 16	
127	Detailed FCOs Technical Operation Rules Decision	RA	28 Feb 17	
160	Approval of Intermediaries under the TSC for the Balancing Market (if needed) Date by which approvals are required by the RAs for requests from participants for TSC intermediaries.	RA	01 Jun 17	Removed as part of JCR241

1.3 Completed Milestones (pre-December 2015)

Old Ref #	Milestone & Description	RA / TSO	September 2015 Baseline Date	Date Delivered (if later)
45	Mobilise Successful BM RFP Vendor Vendor mobilised and begins work on Balancing Market design – Milestone 82.	TSO	1 Dec 15	
42	Issue BM PQQ Pre-Qualification Questionnaire for the Balancing Market (BM), Credit, Settlement and System Operations) vendor procurement.	TSO	26 Jan 15	
35	Market Power Discussion paper Discussion of concepts and issues to be addressed and where market participant input sought, to feed into the MP Phase 1 Consultation Paper,	RA	08 May 15	
1	ETA AoLR Emerging Thinking Paper Emerging thinking on the AOLR required for central system/services procurement purposes to provide a fairly firm view of the likely SEMC decision.	RA	25 Jun 15	
3	ETA Building Blocks Emerging Thinking Paper Emerging thinking on ETA building blocks required for central system/services procurement purposes to provide a fairly firm view of the likely SEMC decision.	RA	25 Jun 15	
4	ETA Markets Emerging Thinking Paper Emerging thinking on ETA markets issues required for central system/services procurement purposes to provide a fairly firm view of the likely SEMC decision.	RA	05 Aug 15	
43	Issue BM RFP Request for proposal for the BM procurement is issued.	TSO	10 Aug 15	
36	Market Power I Emerging Thinking Paper Emerging thinking on Market Power decisions required for RfP1, to provide as firm a view as possible on the relevant system affecting areas.	RA	7 Sep 15	
2	AoLR Decision Paper Details SEMC decisions on the key AOLR issues.	RA	11 Sep 15	

Old Ref #	Milestone & Description	RA / TSO	September 2015 Baseline Date	Date Delivered (if later)
5	ETA Building Blocks and Markets Decision Paper Details SEMC decisions on ETA building blocks and markets issues.	RA	11 Sep 15	
44	Issue BM BAFO Best and final offers to be issued for BM vendor procurement.	TSO	18 Sep 15	
37	Market Power I Consultation Paper Consultation paper issued, covering: <ol style="list-style-type: none"> 1. Appropriate Market Power Metrics in I-SEM 2. Definition of Relevant Market(s) for I-SEM 3. Applicability of Current Market Power Mitigation Measures to I-SEM 4. Expected Level of Market Power in I-SEM Market Power Mitigation Strategy & Measures (identifying the ex-ante and/or ex-post regulatory market power mitigation measures for I-SEM physical and financial wholesale markets).	RA	28 Sep 15	
39	Market Power II Timelines Publication of detailed timelines for Market Power Phase II, including necessary changes to licences to implement the policy decided in Phase I.	RA	28 Sep 15	
11	CRM Consultation 1 First consultation paper of three setting out key aspects of the CRM design; includes overall Capacity Requirement, Eligibility Rules, Product Design, Supplier Arrangements and Institutional Arrangements.	RA	26 Jun 15	
12	Best Endeavours View CRM 1 Best endeavours view on the likely SEMC decision on CRM1, which will be used as a guide for central system/services procurement.	RA	16 Oct 15	
48	FTR Platform Decision The delivery of the FTR solution is dependent on a decision to implement a regional FIUN solution or a local I-SEM solution.	TSO	01 Oct 15	
49	FTR solution delivery start The vendor starts system build from a defined set of functional requirements after this will be subject to change control.	TSO	15 Nov 15	

Old Ref #	Milestone & Description	RA / TSO	September 2015 Baseline Date	Date Delivered (if later)
26	NEMO Application Date for submission of an application for the NEMO role(s).	TSO	25 Jun 15	
30	Issue NEMO PQQ Issue Pre-Qualification Questionnaire covering all NEMO 3 rd party services.	TSO	26 Jun 15	
27	Initial Feedback on NEMO Application RAs feedback on the NEMO application.	RA	18 Aug 15	
31	Issue NEMO RFP Issue NEMO Request for Proposals for the provision day-ahead and intraday trading operations, settlement and credit cover (including any bespoke requirements such as AOLR-related NEMO registration). There may also be a need to integrate with central registration and customer care functions.	TSO	21 Aug 15	
28	Roles & Responsibilities Decision Paper Decisions arising out of the Roles and Responsibilities Consultation SEM-015-016, outlining how the key roles arising from the market Network Codes (e.g. CACM) will be applied on the island of Ireland.	RA	30-Sep-15	
29	NEMO Designation CER and UR designate NEMO(s).	RA	30 Sep 15	
64	Market Rules Approach Paper Approach document on implementation of the I-SEM into detailed rules, i.e. the amendment of the Trading and Settlement Code and related issues	RA	04 Sep 15	
77	Commence Market Rules Development Development of Market Rules commences.	TSO	30 Sep 15	
78	Issue CSA2 PQQ Issue Pre-Qualification Questionnaire for CSA2.	TSO	23 Apr 15	

Old Ref #	Milestone & Description	RA / TSO	September 2015 Baseline Date	Date Delivered (if later)
79	Issue CSA2 RFP Issue of the Request For Proposal for CSA2.	TSO	10 Jun 15	
60	CSA2 Mobilised CSA2 consultants on site and ready to engage fully in project activities.	TSO	07 Sep 15	

1.4 Critical Inter-Organisation Dependencies

#	Predecessor	#	Dependent Milestone	Explanation of Dependencies
6	Market Power Decision 1	5	End of BM System Design	The Market Power Decision has the potential to impact on the Balancing Market System Design. This decision will now be taken after the scheduled end of BM design
3	Market Power BM Working Assumption	5	End of BM System Design	BM system design will centre on the decision in the Working Assumption paper. Should the final decision differ from the working assumption, this could negatively impact on critical path deliverables and I-SEM go-live date or increase implementation costs.
66	Consolidated Rules Document	9 68	MMS engine certification complete Publication of final TSC	Consolidated Rules required in order to undertake certification of the market engine; strictly speaking the final rules are required (TSC Modification approved and published), but Consolidated Rules will provide a good and timely substitute. Should the rules change, a further certification exercise may be required; hence we should also link to the publication of final TSC.
20 25 27 28 30	CRM 1 Decision CRM 2 ET Paper CRM 2 Decision CRM 3 ET Paper CRM 3 Decision	29	CRM Vendor Mobilised	The CRM vendor will be mobilised in August. All CRM decisions need to have been made by this point. These decisions will determine the extent/scope of work required by the vendor in delivering the AMP solution.
20 27 30	CRM 1 Decision CRM 2 Decision CRM 3 Decision	31	Participant Interface Specification: CRM	CRM interface specification cannot be finalised until all CRM design decisions are complete.
68	Publication of Final TSC	36 52	CRM Auction FTR Auction	The final decision on the APs needs to be in place in advance of the FTR Auction in April and the first CRM Auction at the start of June 2017.
20 27 30	CRM 1 Decision CRM 2 Decision CRM 3 Decision	66	Consolidated Rules Document	The CRM decisions will feed into the Rules Working Group process with a final consolidated rules document not being complete until the CRM Auction rules are included.
66	Consolidated Rules Document	67	TSC Consultation Paper	The Consolidated Rules document is supplied ahead of the TSC consultation Paper.
67	TSC Consultation Paper	68	Publication of Final TSC	Final TSC cannot be approved without it first being formally consulted upon. Note the Rules Working Group five-stage development approach will have ensured that draft rules have been extensively shared and discussed with industry during their development, laying the ground work for the formal consultation.

#	Predecessor	#	Dependent Milestone	Explanation of Dependencies
65	Market Rules Approach Paper	66	Consolidated Rules Document	The development of the market rules is dependent on the publication of the Market Rules Approach Paper
68	Publication of Final TSC	84	Operational Readiness Complete	The final APs need to be mapped into business processes etc. as part of organisation readiness requirements.
68	Publication of Final TSC	85	Market Trial Commences	The detailed processes required for Market Trial need to align with the Approved Agreed Procedures.
93	GCRP Recommendation of Modification to Grid Codes	94	Implementation of Modification to Grid Codes	Approval by the RAs of the Grid Codes will depend upon submission of a recommendation by the GCRP of the proposed GC Modifications, noting the requirement in Northern Ireland to consult on the proposed changes, which the TSO will have conducted prior to the GCRP recommendation.
101 102 103	Primary Legislation in Force (ROI & NI) Secondary Legislation in Force	36 50 250	CRM Auction FTR Auction Go Live	Licence changes are expected to give powers to the TSOs to conduct auctions.
36 50	CRM Auction FTR Auction	250	Go Live	Go-live cannot occur until after the first CRM auction and FTR auctions have been conducted.
68	Publication of Final TSC	250	Go Live	Go-live will depend upon the successful completion of most, if not all, of the earlier milestones. Here we highlight some of the more significant and immediate predecessors, including having a set of market rules in effect, revised Grid Codes, a go-live decision, and a deemed successful outcome from the Market Trial.
86	Confirm Go-Live Decision	250	Go Live	Go-live will depend upon the successful completion of most, if not all, of the earlier milestones. Here we highlight some of the more significant and immediate predecessors, including having a set of market rules in effect, revised Grid Codes, a go-live decision, and a deemed successful outcome from the Market Trial.
87	Market Trial Complete	250	Go Live	Go-live will depend upon the successful completion of most, if not all, of the earlier milestones. Here we highlight some of the more significant and immediate predecessors, including having a set of market rules in effect, revised Grid Codes, a go-live decision, and a deemed successful outcome from the Market Trial.
94	Implementation of Modification to Grid Code	250	Go Live	Go-live will depend upon the successful completion of most, if not all, of the earlier milestones. Here we highlight some of the more significant and immediate predecessors, including having a set of market rules in effect, revised Grid Codes, a go-live decision, and a deemed successful outcome from the Market Trial.

