02 May 2014

ENTSO-E Website: http://networkcodes.entsoe.eu/

| Network Code | What is it about? | Status | Status Update | Milestones to Completion | Next GB Stakeholder | | | | |
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| | | | | | Session | | | | |
| Connection Codes | | | | | | | | | |
| Requirements for Generators | Sets functional requirements which new generators connecting to the network (both distribution and transmission) will need to meet, as well as responsibilities on TSOs and DSOs. | Comitology | Draft text was released by the Commission in January 2014, ahead of the Cross-Border Committee. The French Government has issued a paper querying a number of the technical requirements. An updated draft is anticipated. | Discussion by the Cross Border Committee is continuing. | TBC | | | | |
| Demand Connection Code | Sets functional requirements for new demand users and distribution network connections to the transmission system, basic Demand Side Response capabilities, as well as responsibilities on TSOs and DSOs. | Comitology | Draft text was released by the Commission in March 2014 ahead of the Cross-Border Committee. Mandatory Demand Side Response provisions have been removed from the Network Code. | Discussion by the Cross Border Committee is continuing. ACER have been asked to redraft the derogations section. | TBC | | | | |
| HVDC Network Code | Sets functional requirements for HVDC connections and offshore DC connected generation. | ACER Review | ENTSO-E has finalised the Network Code and submitted to ACER for Review. | ACER to review the Network Code by end of July 2014. | ACER Public Workshop in Ljubljana on 19 May 2014. | | | | |
| Market Codes | | | | | , | | | | |
| Capacity Allocation and Congestion Management | Creates the rules for operating pan-European Day Ahead and Intraday markets, explains how capacity is calculated and explains how bidding zones will be defined. Includes the Governance Guidelines which provide a robust, reliable and non-discriminatory European Union governance framework for the operation of market coupling across Europe. | Comitology | CACM is in the cross-border Committee stage of Comitology, and is currently in internal Commission consultation and translation. | Discussion by the Cross Border Committee is continuing and a further draft is expected in May/June 2014. | DECC/Ofgem Stakeholder session expected when next draft is published. | | | | |
| Forward Capacity Allocation | Sets out rules for buying capacity in timescales before Day Ahead and for hedging risks. | ACER Review following ENTSO-E re-submission. | ACER had requested that amendments be made to the Network Code on the areas of firmness and timescales for Terms and Conditions. ENTSO-E has made amendments and returned FCA to ACER for review. | ACER to re-review the changes made by ENTSO-E ahead of Comitology. | TBC | | | | |
| Electricity Balancing | Sets out the rules to allow TSOs to balance the system close to real time and to allow parties to participate in those markets. | ENTSO-E Review after ACER Opinion | ACER has requested that amendments be made to the Network Code on the areas of Incentives on balance responsible parties to be balanced or help the electricity system to be balanced. A consistent framework to foster competition between balance service providers. Efficiency of balancing actions performed by TSOs. | ENTSO-E is expected to revise aspects of the Network Code. ACER will then re-review the change ahead of Comitology | TBC | | | | |
| System Operation Codes | | | | | • | | | | |
| Operational Security | Sets common rules for ensuring the operational security of the pan European power system. | Comitology | In pre-comitology stage. The text was received by the Commission from ACER after a qualified Recommendation in November 2013. | The Commission is to prepare the text, prior to the Cross-border Committee meetings expected in Q2/2014. | Engagement expected during Comitology once text is produced by Commission | | | | |
| Operational Planning and Scheduling | Explains how TSOs will work with generators to plan the transmission system in everything from the year ahead to real time. | Comitology | In pre-comitology stage. The text was received by the Commission from ACER after a qualified Recommendation in November 2013. | The Commission is to prepare the text, prior to the Cross-border Committee meetings expected in Q2/2014. | Engagement expected during Comitology once text is produced by Commission | | | | |
| Load Frequency Control and Reserves | Provides for the coordination and technical specification of load frequency control processes and specifies the levels of reserves (back-up) which TSOs need to hold and specifies where they need to be held. | Comitology | In pre-comitology stage. The text was received by the Commission from ACER after a qualified Recommendation in October 2013. | The Commission is to prepare the text, prior to the Cross-border Committee meetings expected in Q2/2014. | Engagement expected during Comitology once text is produced by Commission | | | | |
| Emergency and Restoration | Ensures that efforts of restoration after a major disturbance or blackout are well coordinated at led by TSOs within a synchronous areas, and no individual action or attempts adversely affect the re-establishment of system operation as soon as possible | ENTSO-E Drafting | Mandate to commence drafting received by ENTSO-E on April 1 2014. | ENTSO-E has 12 months to draft the Network Code in line with the System Operation Framework Guidelines | TBC | | | | |
| Transparency Regulation | | 1== . | 1 | | - | | | | |
| Transparency Regulation | Establishes a minimum common set of data relating to generation, balancing, transmission and consumption of electricity which need to be made available to market participants. It also provides for a central collection and publication of the data. | GB Implementation | GB Implementation is ongoing. BSC Modification P295 has been approved. | GB Compliance required by January 2015. ENTSO-E is developing the central EMFIP platform for transparency data. | Further stakeholder engagement is to take place in May 2014. Further information to follow. | | | | |

| 02 May 2014 | | | | | | | | | | | | | | Prepared by: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| All Future dates are subje | oject to change KEY | | | | | | | | | | | | | | | | national grid | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| change through the cod | ementation Periods and Comitology dates are 'best guess' and subject to ge through the code development / approval process. Details shown in s are best approximations based on current understanding. | | | | | | | | | Activities undertaken by ACER Activities undertaken by ENTSO-E Comitology process - led by Commission | | | | | | | | | | | | | | europeancodes.electricity@nationalgrid.com | | | | | | | | | | | | | | | | | | | | | | |
| It has been necessary to | been necessary to 'round' some dates for the benefits of the diagram. | | | | | | | | | Entry into Force / Applicability of Requirements Implementation Period (details TBC) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Network Code | | | . | Τ. | | - | П | 1.1 | | 2014 | | | | | | | 2015 | | | | | | | | | | 2016 | | | | | | | Π | | | | I . I | | | | | | | | |
| Network Code | Jan | Feb | Mar | May | Jun | Jul Aug | Sep | ğ Š | Dec | Jan Feb | Mar | Z Zay | un 3 | Aug Sen | 0 2 | Dec | Jan | Feb | Apr | May | 3 3 | Aug | o o | Š | Dec | Jan Feb | Mar | Apr | May Jun | 크 | Aug | Sep | | Dec | Jan | 를 : | Mar Apr | May | Jun | = 원 | Sep | oct | Nov | Dec | | |
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| Transparency | | Com | nitolo | gy | Forc | | Implem | ientation | n perio | od of 18 months as specified in Regulation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Regulations | Par | Parliamentary Approval Consultati Finalise On on MOP Review | | | | | | | | | Build and Test EMFIP External / 3rd Party | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | of Procedures MOP | | | | | | | | | Platform Testing of EMFIF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 8 | | | | | | | | | | | Comi | tology | | | | | | | | | | | | | | | | | | | | \vdash | + | | | | + | + | + | | | | | | |
| Capacity Allocation and Congestion | Pre-Comitology Merge CACM and Gov. Guide; IA, text | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Management | Con | amiss | Mer | | | d Gov. (nd transl | | IA, text | Cro | ross Border Comn ittee Approval by EU Council and Parliament | | | | | | il | Phased Implementation over 24 months (TBC) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | Revisio n of x ≥ Pre-Comitology | | | | | | | | | | Comitology | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Requirements for Generators | | de R | Review | Imnac | t Acc | esment | tevt re | eview and | , | | | Approval by EU Cour | | | | | Implementation period of 36 i | | | | | | | | | | | | | f 36 m | 6 months (TBC) | | | | | | | | | | | | | | | |
| Generators | based translations | | | | | | | | | Cross Border Committee Approval by EU Council and Parliament | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Demand Connection AC | ACER | | | | Pre-C | omitol | logy | | | | ÷ | Co | nitology | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Code | | Review Impact Assessment text review and translations Cross Border A | | | | | | | | | | | | | | EU Council Implementation period of 36 | | | | | | | | | | | | | f 36 m | months (TBC) | | | | | | | | | | | | | | | | |
| | | | | | Committee and Parliament | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | ENT | | | | | | | | | | | | | | Comit | ology | | | | | | | | | | | | | | | | | | | | | | | | \top | + | + | | | | |
| Operational Security | Eine | | AC | | | NTSO-E | | Review | | Pre-C | omitolo | gyı | | Cross Po | 1 | | proval by El | | | | | lm | pleme | entatio | on pe | eriod 18 | 3 mor | ths | | | | | | | | | | | | | | | | | | |
| | Fina draf | | Rev | iew | " | evision | s | 8 | | | | T | | Cross Bo Committe | | | ncil and liament | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Operational Planning | | rafting | | ACEI | , | ENTS | O-F | » | | | | Т | | Comitolo | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| & Scheduling | | inalise | | Revie | | | | Review | | Pre-C | Comitology | | | Cross Bo | | | oval by EU uncil and | | | | | Implementation | | | | eriod 18 | 3 mor | ths | | | | | | | | | | | | | | | | | | |
| | al | drafting | | | | | | | | Committee | | | | | | | Parliament | | | | | | | | | | | | | | | | | | | | | | | \perp | | | | | | |
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| Forward Capacity Allocation | | ENTSO-E Drafting ACER Position ACER | | | | | | | | | SO-E | Revieu | Pre-C | omitolog | oss Bo | Phased Implemetation over 39 month | | | | | | | | | | | | | nths | s | | | | | | | | | | | | | | | | |
| Allocation | | Initial Consult drafting Consult ation Finalise drafting Review | | | | | | | | Kev | visions Cross | | | | | | mittee Paniament and Council | | | | | | | | | | | | | | | | | | | | | | $\overline{}$ | | | | | | | |
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| Control & Reserves | al | Consu | | Finalis | | Revie | | | | Pi | | omitol | logy | | | | | Border | | Parlia and C | | | | | li | mplem | entati | on pe | riod 1 | 8 moi | nths | | | | | | | | | | | | | | | |
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| | | ENTSO-E Drafting | | | | | | | | | | + | | | | | | Comi | olog | , | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Electricity Balancing | | | | | Lo | onsult | | | | ACE Revie | | EN <mark>TS(</mark> Revisio | | Pre-Con | itology | Ι, | Cross | s Border | - 1 | Parlia | ment | | | | | Ph | ased | ntrod | uctio | n over | 6 yea | ars | | | | | | Until c. | .2021 | | | > ! | | | | |
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| Emergency and Restoration | | | | | | | | | | | | | | 6 : | Consu | | | d== f+: | | CER eview | Pre | e-Comito | tology | Cro | oss B | order | Pa | rliamen | nt and | Imp | lemen | tation | (TBC |) | | | | | | | | | | | | |
| Nestoration | | | | | | | | | | | in | nitial dra | iiting | ation | Fina | uise c | drafting | | | | | | | ommi | | | Counc | | | | | | | | | | 1 | | | | | | | | | |

Status of Development of European Electricity Network Codes