

SO GL implementation

ENTSO-E

System Operation European Stakeholder Committee
7 March 2018

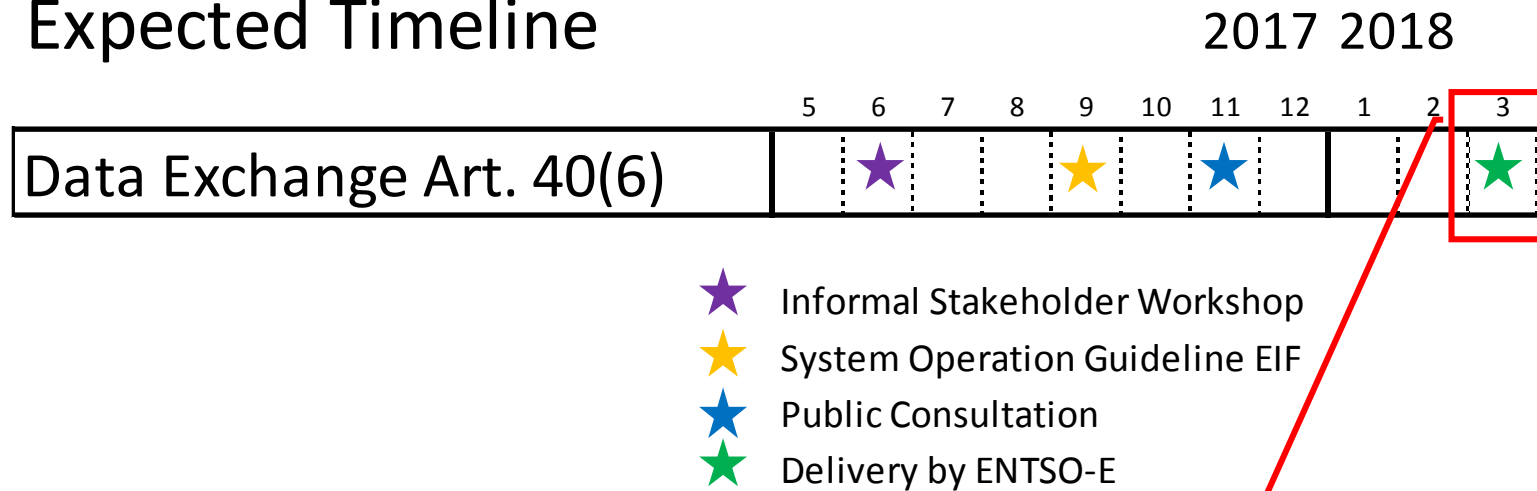
Updates on ongoing activities

Update on KORRR

Convenor: María Sánchez Llorente

Organization and timeline

Expected Timeline



- Final version of documents
- "All TSOs" approval
- Submission to NRAs by 14 March 2018

Public Consultation from 31 October to 1 December 2017

- Stakeholder Workshop on 14 November 2017

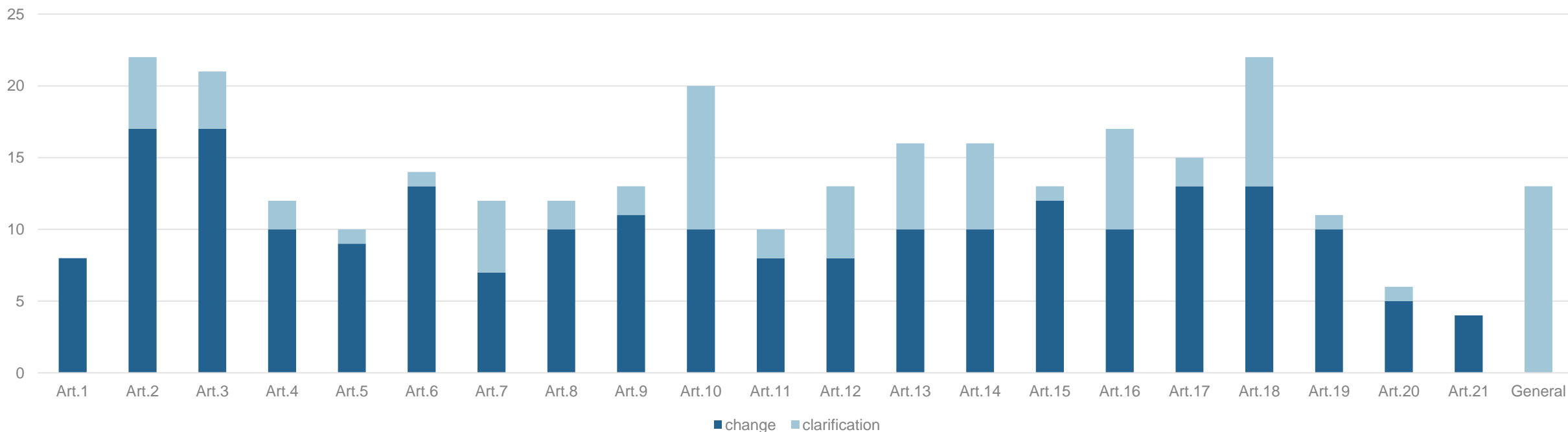
Received comments from 26 entities, including:

- DSO
- Generators
- Consumers
- NEMOs...

300 comments:

- 215 changes
- 72 clarifications
- 13 general comments

Public Consultation



- **Article 2:** Definitions
- **Article 3:** General responsibilities
- **Article 18:** Real-time data provided by SGUs

Data Exchange Project Team offered to the different groups of stakeholders the possibility to discuss how their comments will be handle before final submission of KORRR methodology to NRAs.

Contacts with stakeholders took place from 1 to 14 February 2018:

- Telco with DSOs (1/2/2018)
- Telco with Consumers (8/2/2018)
- Telco with Generators (14/2/2018)
- Contact with other stakeholders (12/2/2018)

Main changes in KORRR after public consultation

Main comments from PC	Main KORRR amendments made to PC version
1. Review some articles that should be deleted.	Deleted articles: 2(4), 2(7), 3(2), 3(3), 6(1), 6(2), 8(3), 9, 11, 17(3), 18(2), 18(4), 19
2. Review some articles that should state “agree”	Amended articles adding “agree” 3(7), 6(3), 8(2), 8(4), 10(1), 12(1), 13(1),
3. Review some articles that should be more clear	2(6), 3(6), 3(7), 5(1), 5(2), 8(1), 7(1), 10(4), 13(1), 14(1), 15(2), 16(1), 18(1), 18(2)

CGM methodology

- Approved by all TSOs for submission to the competent regulatory authorities
- Process of submission to regulatory authorities by 14 March under way

CBA methodology for FCR minimum activation time

- Public consultation 10 January – 18 February 2018
- All TSOs approval for submission to the regulatory authorities in progress

Methodologies for coordinating and for assessing the relevance of assets for outage coordination

- Public consultation 26 February – 6 April 2018
- Stakeholder workshop 21 March 2018
- Submission to regulatory authorities 14 September 2018

Forward planning for activities in 2018

System Operation Guideline deliverables

2019

Jan

14/01/18

- ✓ TSOs agree on LFC blocks

Mar

14/03/18

- ✓ Data exchange: key organizational requirements, roles and responsibilities
- ✓ Common grid model methodology
- ✓ Cost benefit analysis methodology for FCR minimum activation time

May

14/09/18

- ✓ Methodology for coordinating operational security analysis
- ✓ Methodology for assessing the relevance of assets for outage coordination
- ✓ Synchronous area operational agreements

July

Sept

Nov

2019

Beyond 2018

- ✓ 14/06/2019 Proposal for regional security coordination
- ✓ 14/09/2019 Study to determine the need for minimum required inertia
- ✓ 14/03/2020 Methodology for determining the minimum required inertia
- ✓ 14/09/2019 Cost-benefit analysis suggesting the minimum FCR activation period in Continental Europe and Nordic synchronous areas

Upcoming consultations/workshops 2018



Methodology for coordinating operational security analysis (SO GL art. 75)

Consultation 26/02-06/04/2018 Workshop 21 March 10:00-18:00 CET



Methodology for assessing the relevance of assets for outage coordination (SO GL art. 84)

Consultation 26/02-06/04/2018 Workshop 21 March 10:00-18:00 CET



Methodologies, conditions and values included in synchronous area operational agreements (SO GL art. 118)

Consultation 03/04 – 03/05/2018 Workshop 19 April



Dynamic stability assessment and minimum inertia (SO GL art. 38-39)

Workshop 23 May