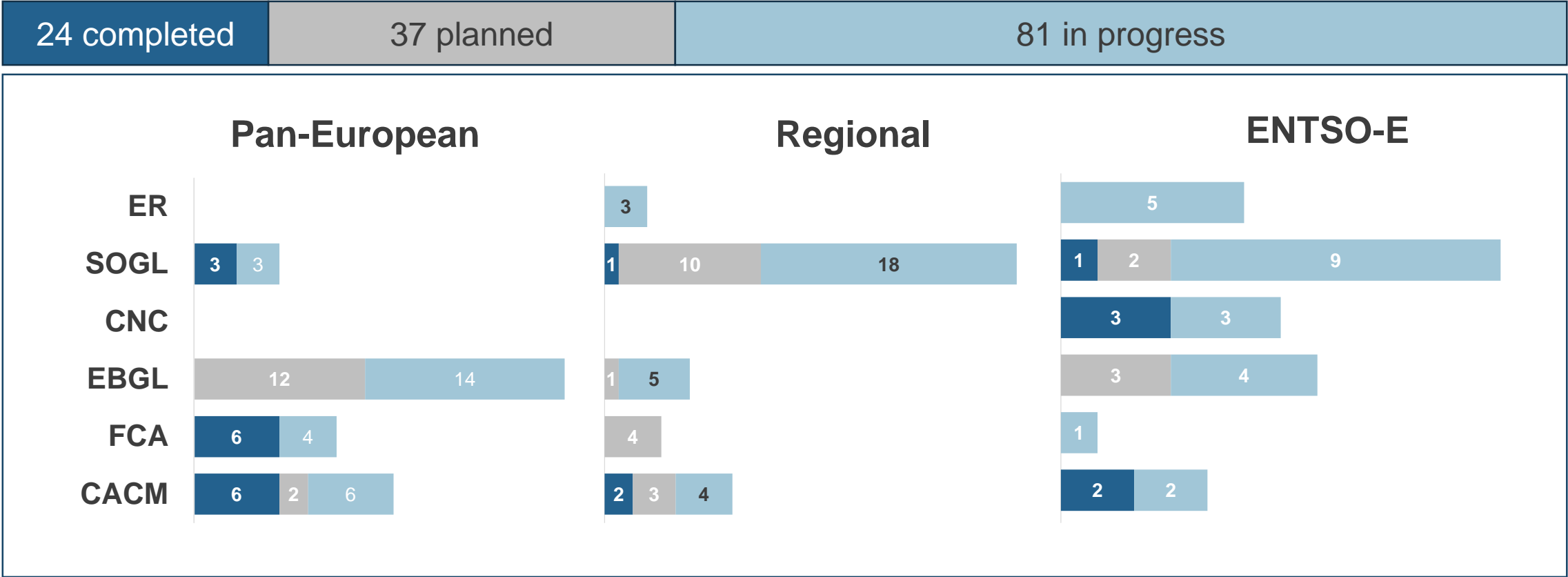


Network Codes Implementation and Monitoring

Bruce Riddington

Security of Supply Coordination Group 19th December Vienna

74% of Network Codes methodologies are already completed or underway



Source: ENTSO-E (October 2018)

ENTSO-E – NCIP: Website

What's new?

- Enhanced ENTSO-E website to facilitate NC monitoring of deliverables released
- Status of Pan-European and regional NC implementation is now easy accessible

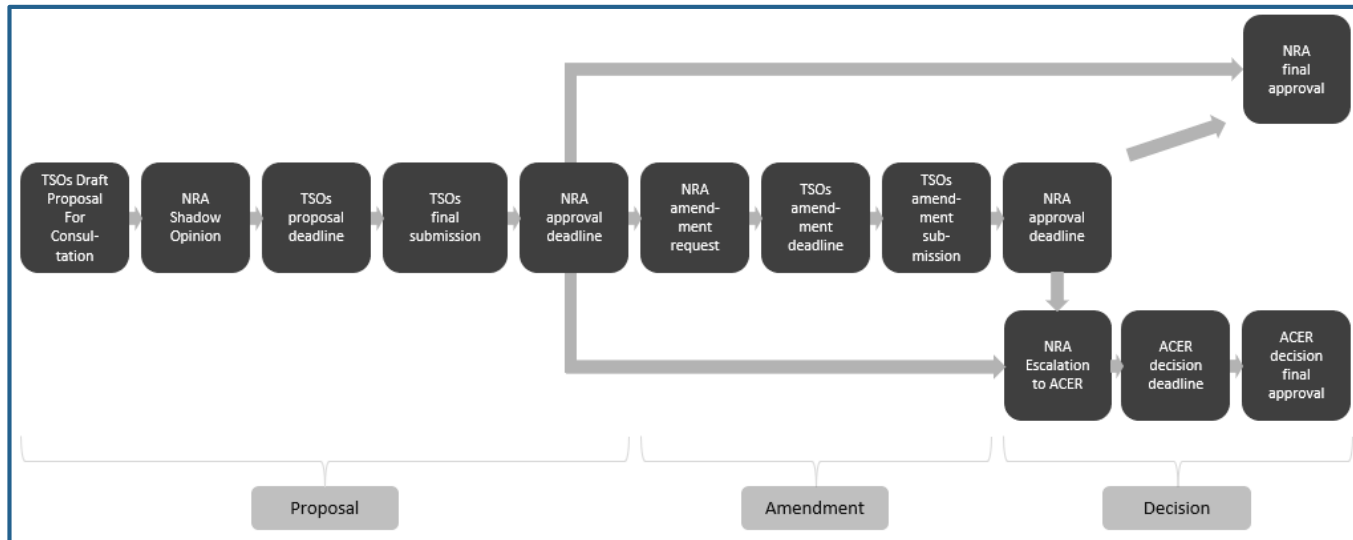
1 Go to <https://www.entsoe.eu/>

2 Click on **Network Codes** and select the **Code Family**

3 Scroll down to see the **Timeline** and the **Overview of each deliverable**

ENTSO-E – NCIP: Website

Operative perspective



Benefits

- Updated ENTSO-E website to facilitate NC monitoring of deliverables
- Consolidated data with gathered NC requirements and further information on national, regional and Pan-European level
- Standardized and incorporated time planning for each NC
- Quick access to proposal files

ENTSO-E – NCIP: Website

Functions

Integrated **Timeline**, which is automatically updated



CACM Deliverables

A 10 Organize Day Ahead and Intraday coupling - TSOs...	Show
A 15.1 Develop proposal for determination of capacity calculation regions...	Show
A 16.1 Develop proposal for Generation and Load Data Provision...	Show
A 16.6 List of entities to provide information & content...	Show
A 17.1 Develop proposal for Common Grid Model Methodology	Show
A 20.2 Submit a proposal for a common coordinated capacity...	Select

List of deliverables for each code family

Status of each deliverable with corresponding **documents**

ER Deliverables

A 04.4 Develop a proposal for Terms and conditions to...	CEPS			
A 04.4 Develop a proposal for Terms and conditions to...	Select			
FULL TITLE	Develop a proposal for Terms and conditions to act as defence contractual basis			
RESPONSIBLE	Each TSO			
CLUSTER	Activities on national level - subject to public consultation			
GEOGRAPHICAL SCOPE	National			
<table border="1"> <tr> <td>TSOs Draft Proposal For Consultation 1/10/2018</td> <td>TSOs final submission 18/12/2018</td> <td>NRA approval deadline 18/06/2019</td> </tr> </table>		TSOs Draft Proposal For Consultation 1/10/2018	TSOs final submission 18/12/2018	NRA approval deadline 18/06/2019
TSOs Draft Proposal For Consultation 1/10/2018	TSOs final submission 18/12/2018	NRA approval deadline 18/06/2019		
A 36.1 Develop a proposal for rules for suspension and...	Energinet			
A 39.1 Develop a proposal for rules for imbalance settlement	HOPs			

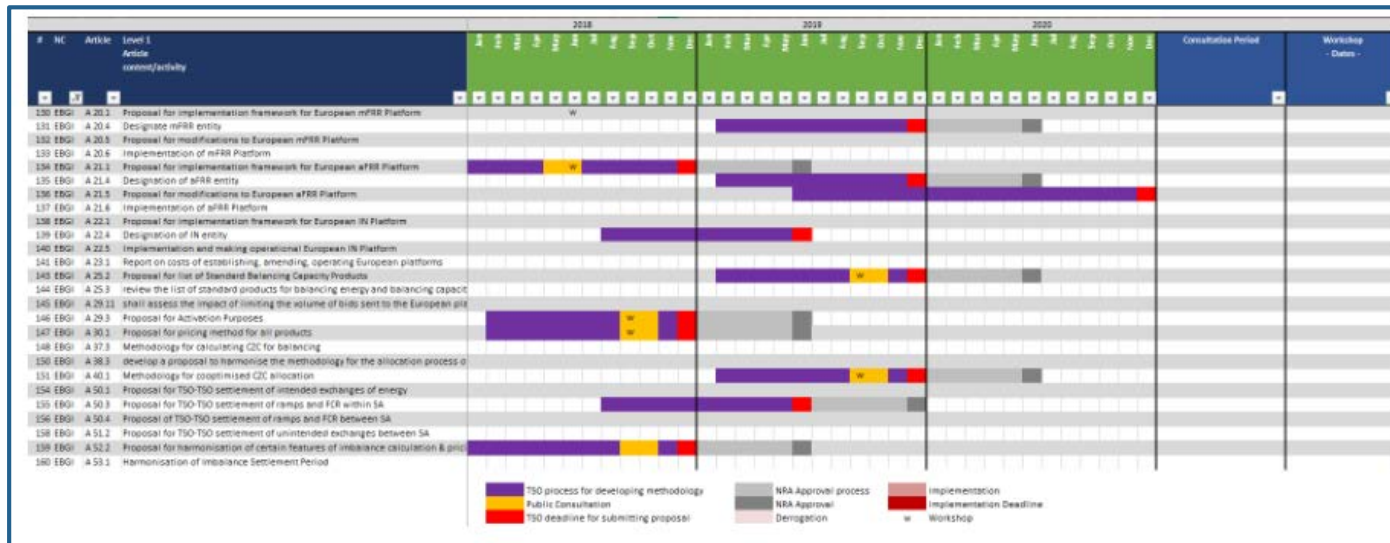


Description

- Showing NC Pan-European and regional deliverables for each **Code Family**
- Time planning** for each NC available
- NC implementation **process incorporated**

ENTSO-E – NCIP: Website

Function



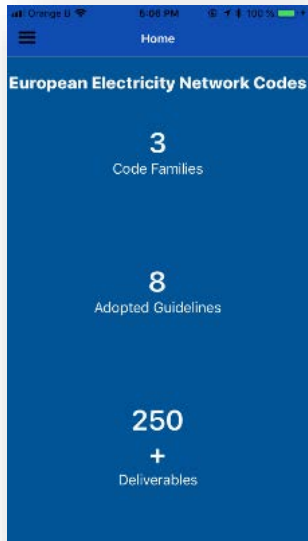
Description

- Time planning for each NC available
 - Color code for all NC established
 - showing drafting process, consultations, workshops, deadline for submission or NRA processes
- Each NC deliverable is scheduled
- Each Stakeholder on regional and national level considered
- Time planning amendments via NC advisor

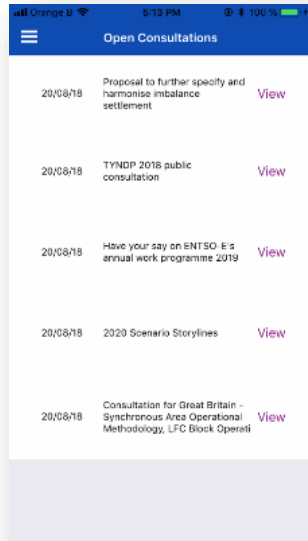


E-codes: App

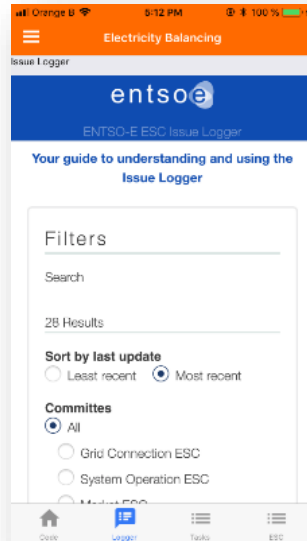
And all this information available in your pocket? **E-Codes App**



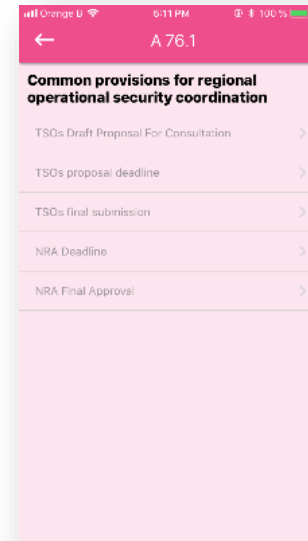
Consultations



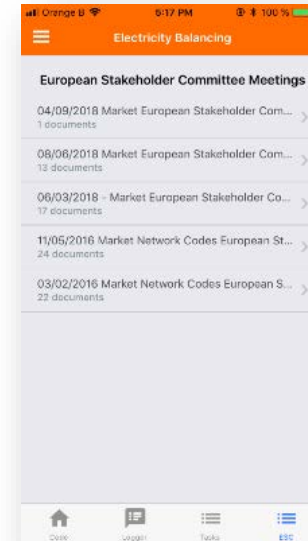
Events



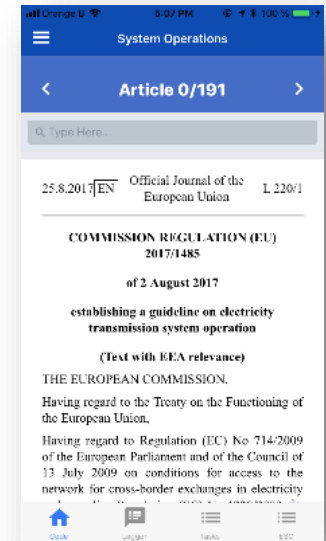
Network codes



Status of deliverables



Action tracker

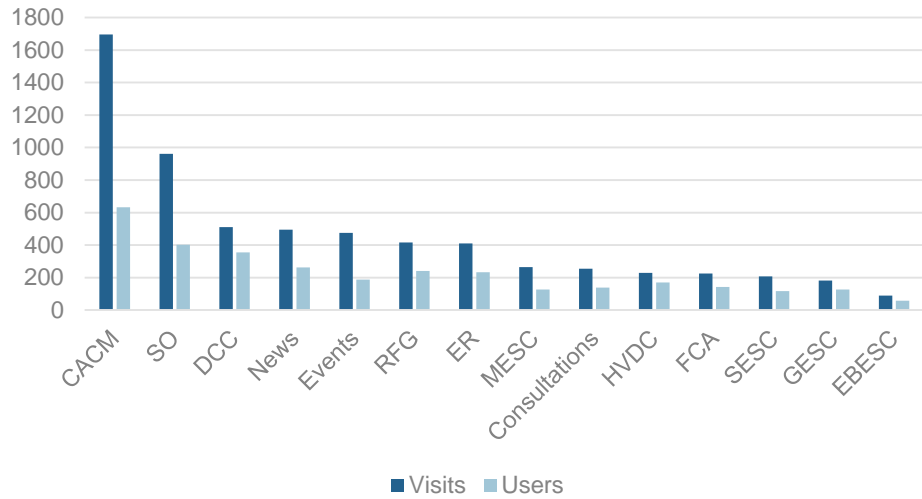


And way more

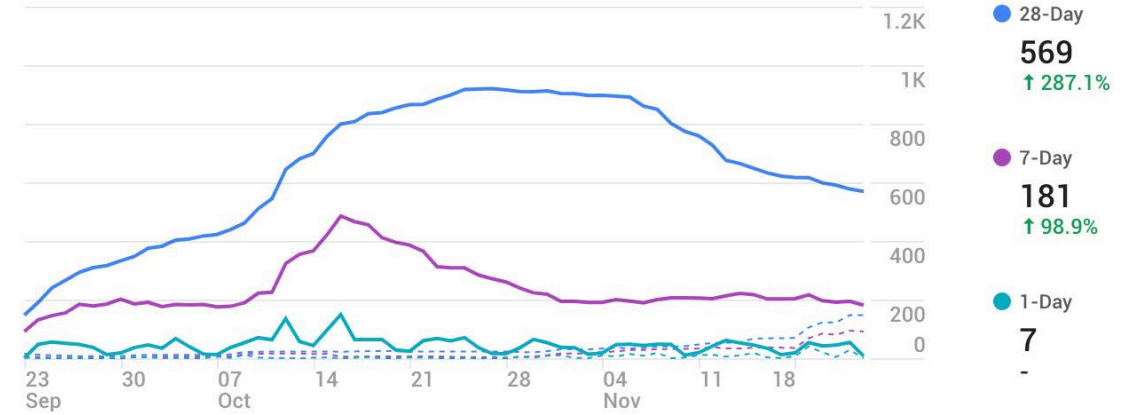
We recorded 900 downloads since the launch in September
App is available for iOS and Android in [apple store](#) and [google play](#)

E-codes: Statistics for the App

Usage per NC and other contents



Active users ?



Location ?

Country/Region

