



**EWEA**  
THE EUROPEAN WIND ENERGY ASSOCIATION



# Network Code Electricity Balancing

EWEA comments to version 1.22 29/May/2013

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and Market

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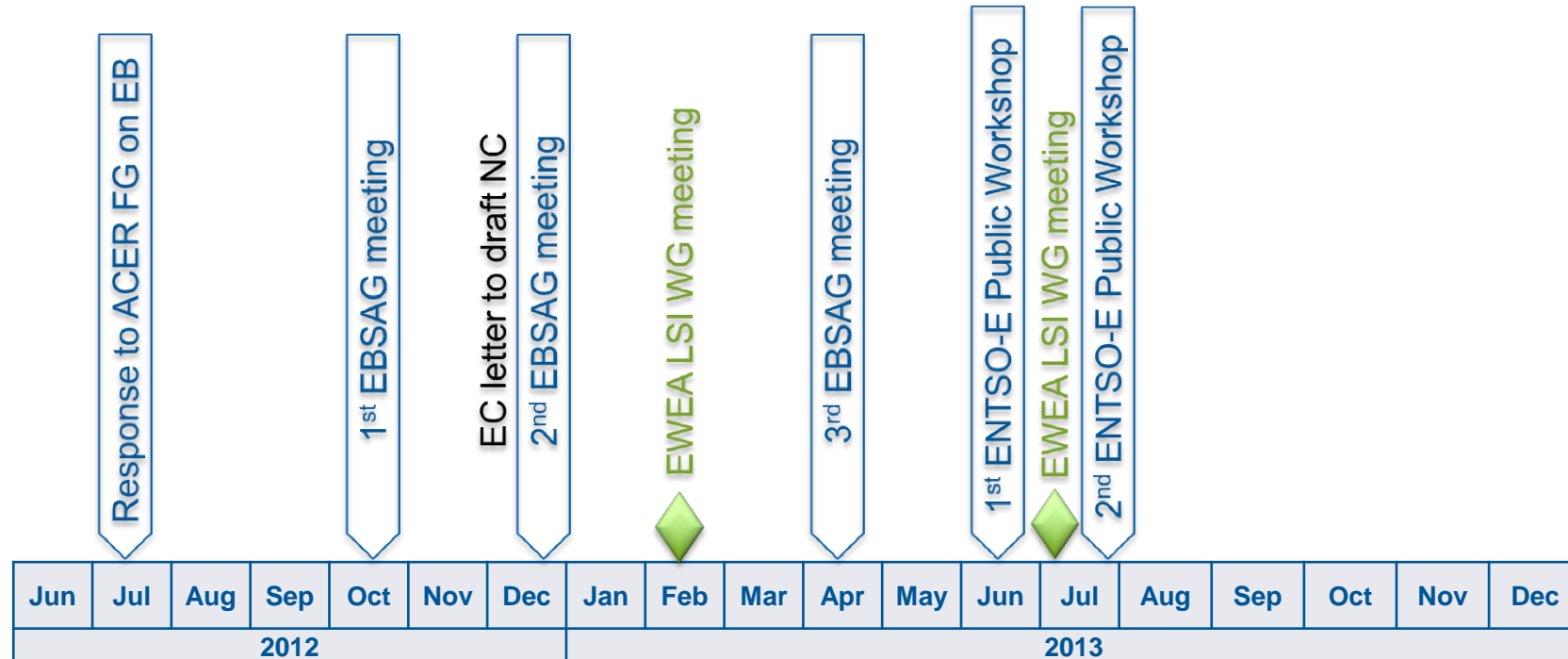
## More than 700 members from almost 60 countries

- Manufacturers with a leading share of the global wind power market
- Component suppliers
- Research institutes
- National wind and renewable associations
- Developers
- Electricity providers
- Finance and insurance companies
- Consultants
- Contractors

This combined strength makes EWEA the world's largest and powerful wind energy network



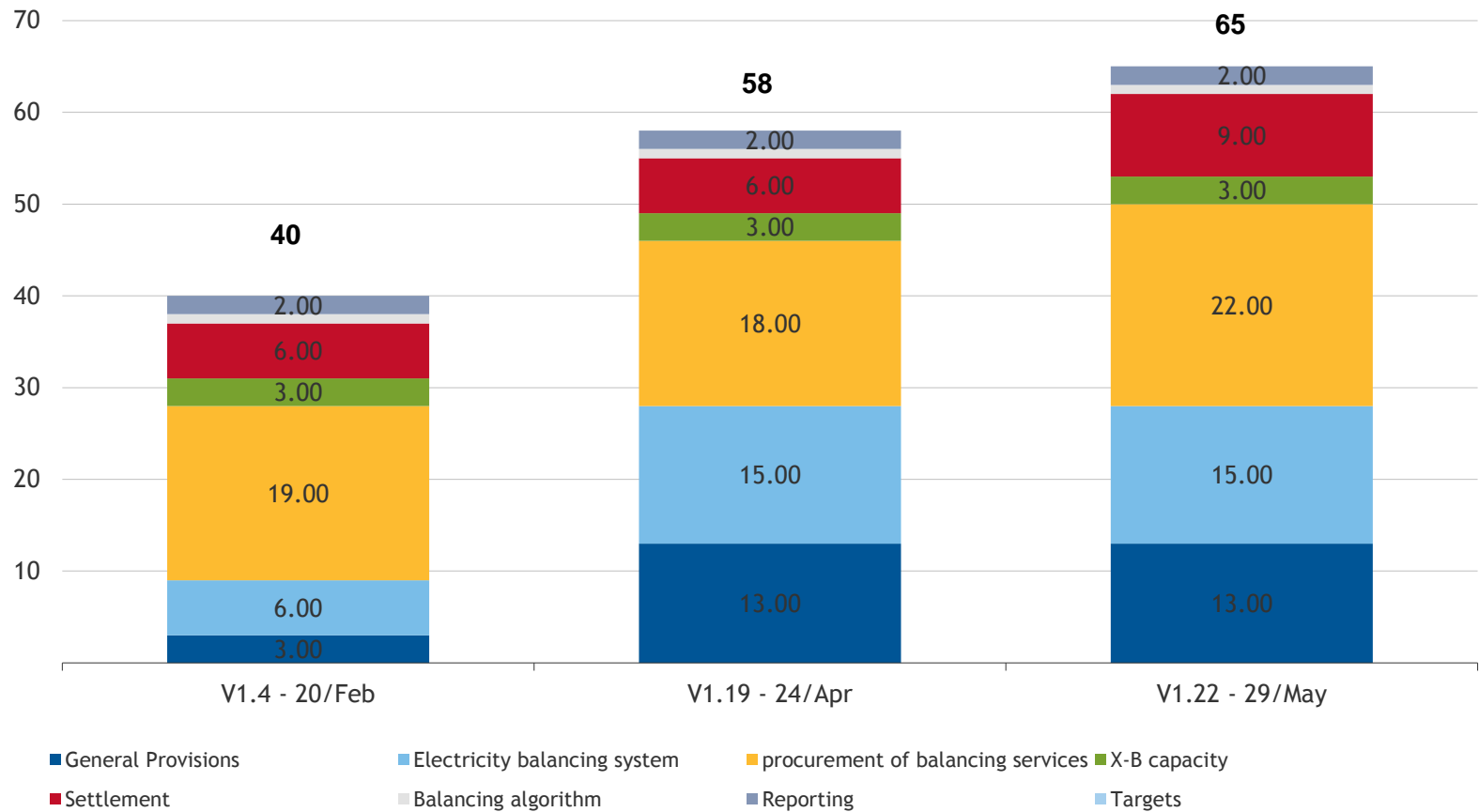
# Involvement of EWEA in the NC EB



- Scope – FCR
- T&C – Balancing for all generators, foster liquidity, harmonisation of GC
- Bids definition
- Transparency on unshared bids
- No X-B capacity reservation
- Imbalance settlement
- Intraday Market in place
- Liquidity
- Transparency
- Harmonisation of GC
- Scope – FCR, pricing methodology, products definition
- Harmonisation of imbalance settlement
- Balancing responsibility – cost causation principles clearly defined
- Regulatory approval to be shorten
- Define T&C
- Definition of standard products
- More ambitious approach - Shorter reg. approval, simplified cooperation btw. TSOs, greater incentives to share/exchange reserves
- Improved definition of – T&C, product definition, roles & responsibilities, procurement rules
- Non-discriminatory provisions for RES participation
- Intraday
- Balancing responsibility
- TSO minimum interference with the market
- Congestion mngmnt. Not influencing balancing price
- TSO-TSO model
- No x-border capacity reserved



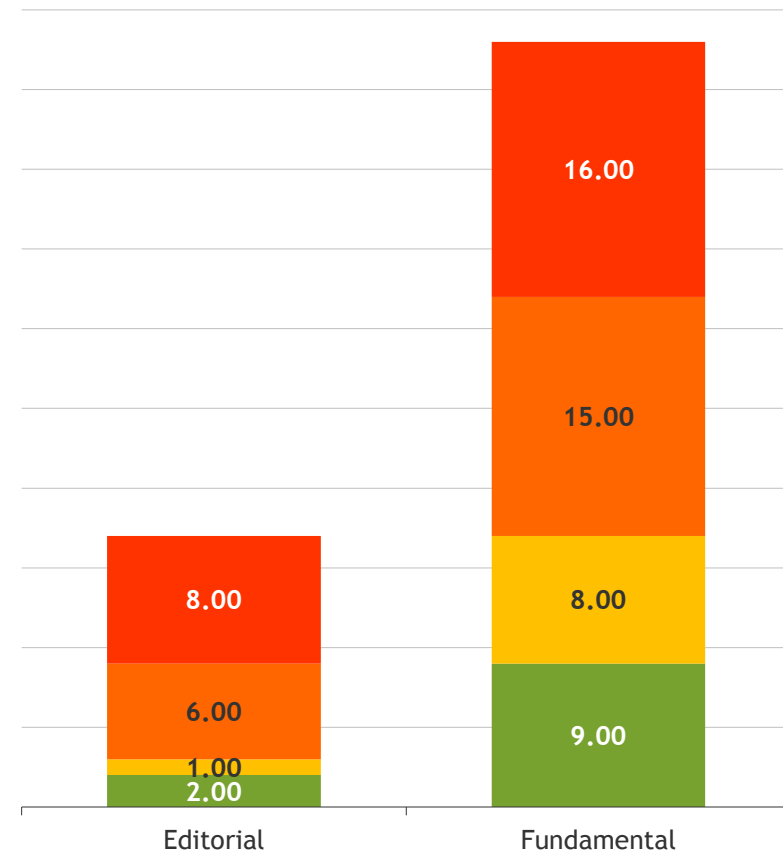
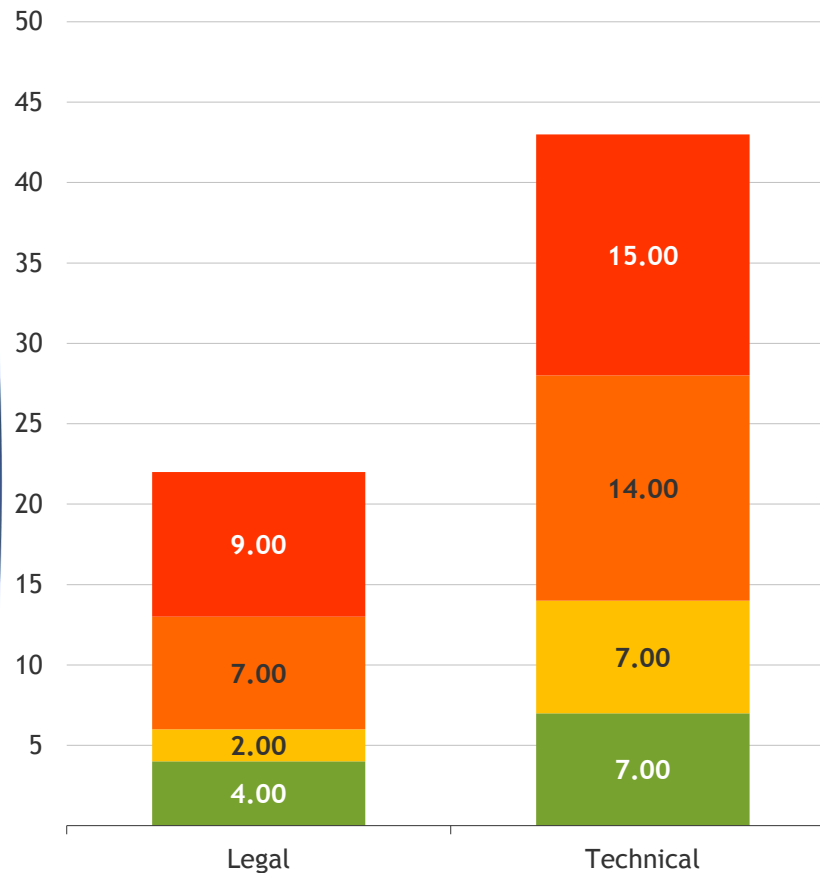
# Evolution of EWEA comments to NC EB





# EWEA main concerns with the NC EB

- New comment
- Remaining comment
- Previous EWEA comment partially considered
- Previous EWEA comment considered

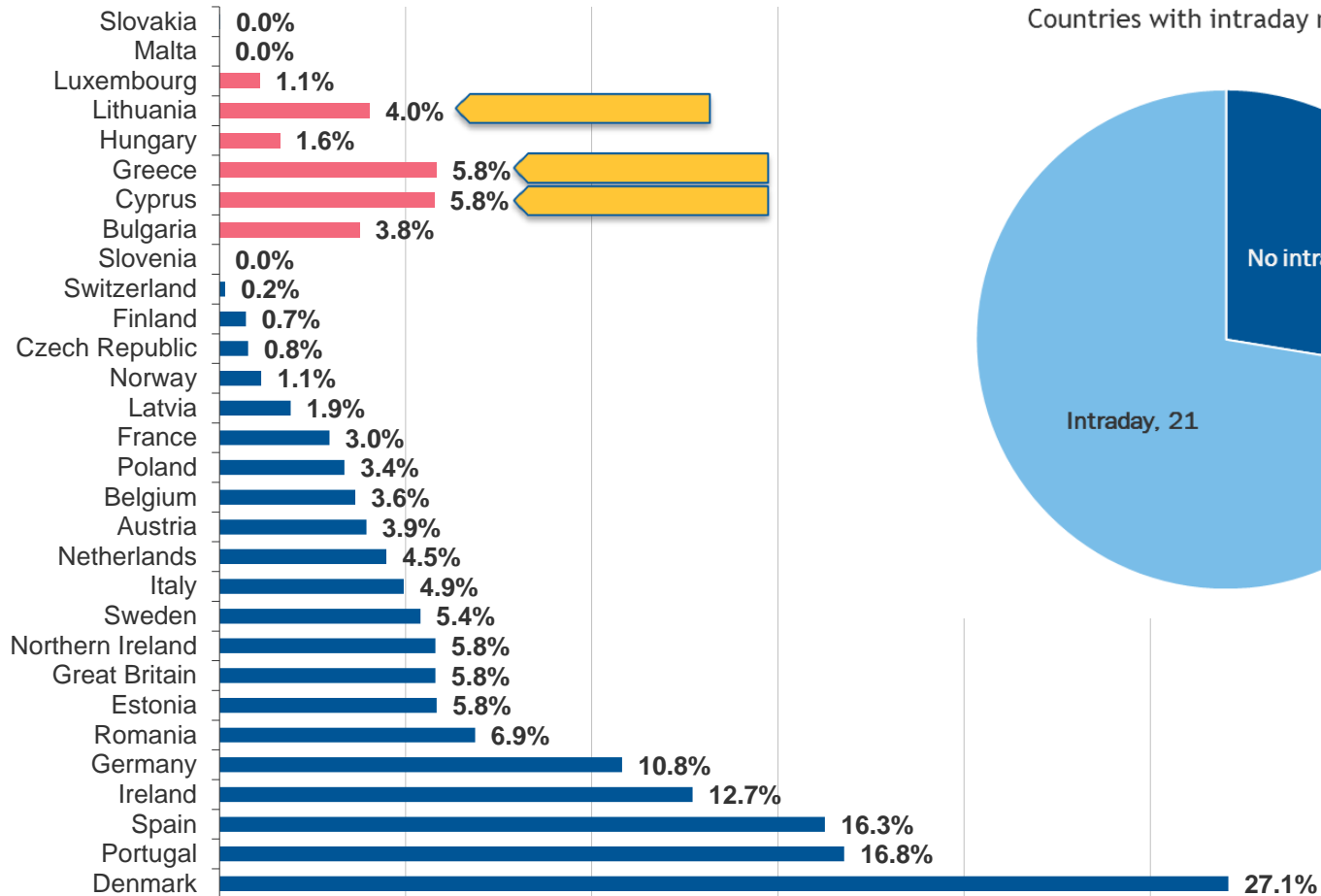


# Fundamental (remaining) issues to be addressed in the NC EB

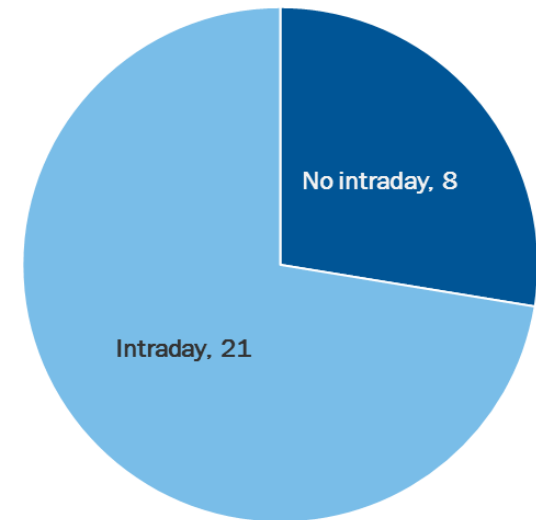
Article [section]	Topic	Proposal
Art. 17 [3]	Balancing Gate Closure Times	Harmonisation of balancing gate closures
Art. 17 [4]	Standard product characteristics	Add “direction” and “confidence interval level” as standard characteristics
Art. 16 [2d, 6, 9]	Terms and conditions related to balancing	Clear definition of balancing responsibility and transparency on prequalification procedures
Art. 47 & 48	Imbalance settlement	Harmonisation balance settlement period to 30 min
Art. 22[4], 23[2], 26, 17[6]	Long term contracts, unshared bids and specific products	Avoid, avoid and avoid

# Intraday markets & balancing responsibility

Wind energy penetration [% of consumption] in MS  
with and without **intraday markets**



Countries with intraday markets



■ Intraday market  
■ No intraday market

**Balancing responsibility for RES  
generators without intraday market**

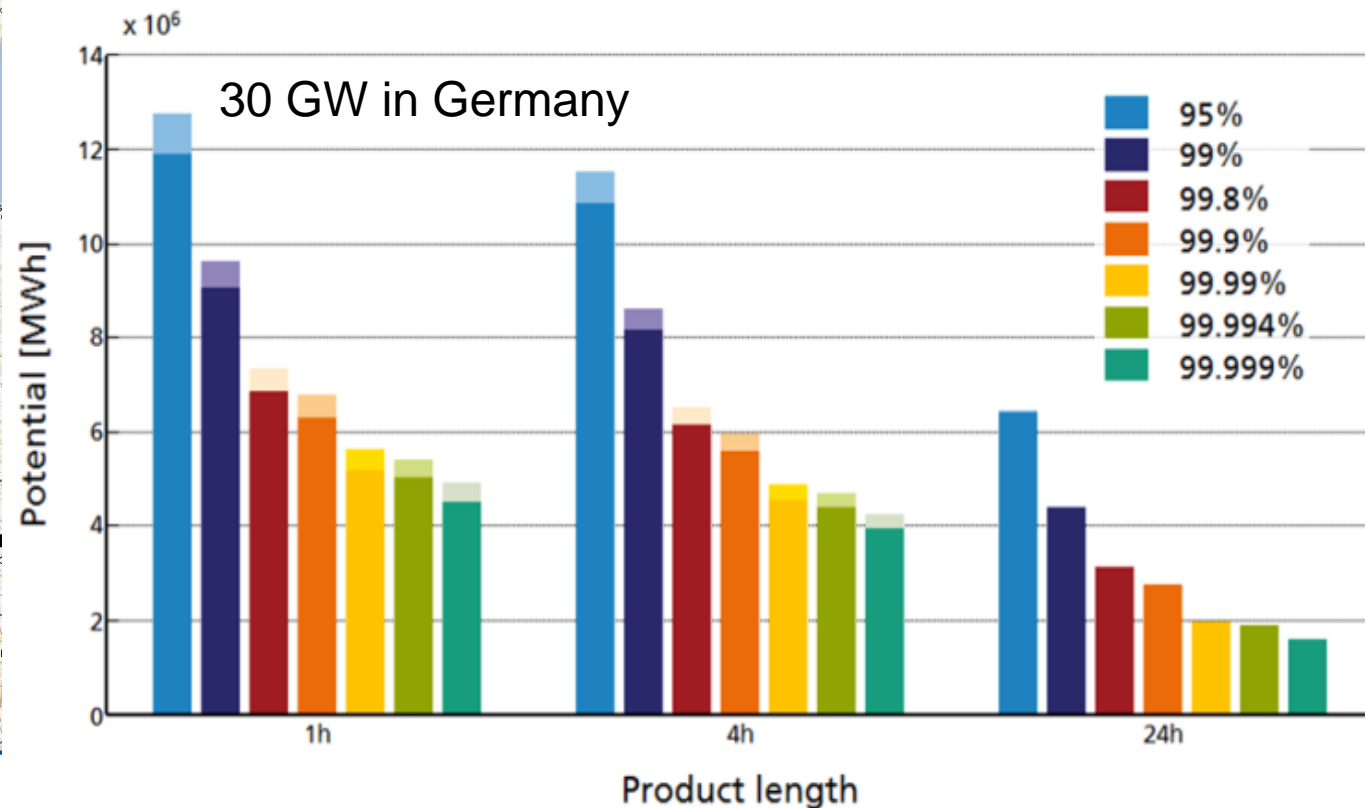




# Standard products characteristics

## Confidence interval and product length effects

- 1 Wind Farm = 77.4 MW
- Cluster = 1 GW (WFs located in the same control area)







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# Thank you very much for your attention

[www.ewea.org](http://www.ewea.org)  
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