



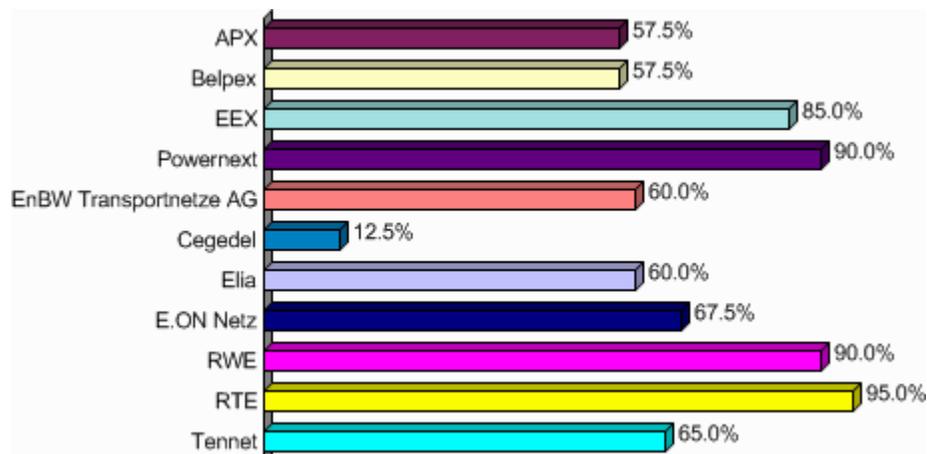
# Annex 2: CWE Market Coupling Project Technical Workshops - May 2008 Participants Survey - Results

1- General Feedback.....	2
2-Respondents that are either RTE customer or Powernext member .....	18
3-Respondents that are either Tennet customer or APX member .....	31
4-Respondents that are either Elia customer or Belpex member .....	44
5-Respondents that are either EnBW Transportnetze, E.On Netz, RWE customer or EEX member.....	59
6 – List of respondents .....	73

# 1- General Feedback

## General

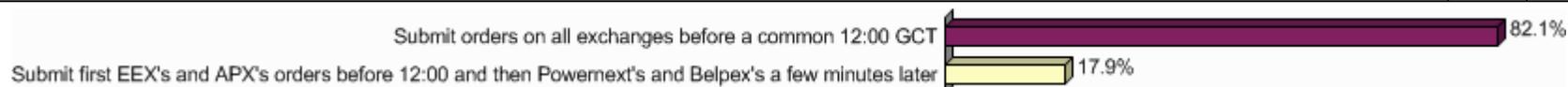
3-You are a customer of...		
	Nb	% obs.
APX	23	57.5%
Belpex	23	57.5%
EEX	34	85.0%
Powernext	36	90.0%
EnBW Transportnetze AG	24	60.0%
Cegedel	5	12.5%
Elia	24	60.0%
E.ON Netz	27	67.5%
RWE	36	90.0%
RTE	38	95.0%
Tennet	26	65.0%
<b>Total</b>	<b>40</b>	



## Daily Schedule and Market Timings

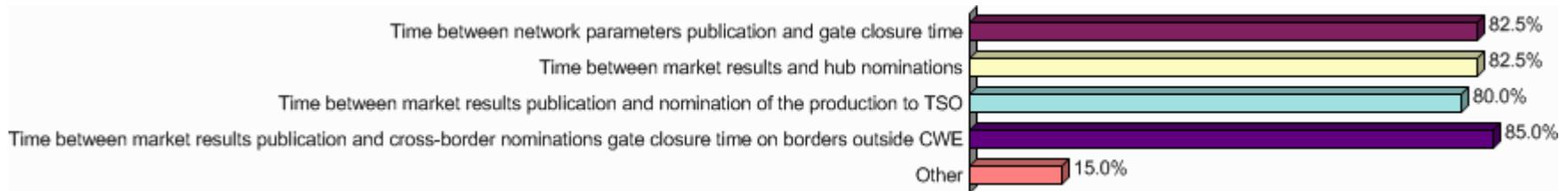
### 1-Since currently, Powernext and Belpex do not have interregional coupling (NordNed, EMCC), which option is preferable?

	Nb	% cit.
Submit orders on all exchanges before a common 12:00 GCT	32	82.1%
Submit first EEX's and APX's orders before 12:00 and then Powernext's and Belpex's a few minutes later	7	17.9%
<b>Total</b>	<b>39</b>	<b>100.0%</b>



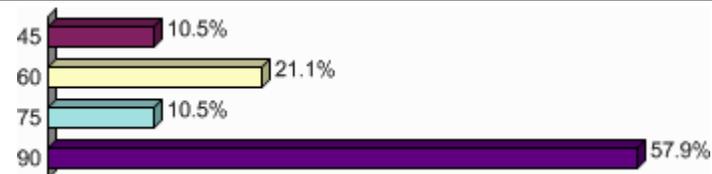
### 2-What time interval is the most constraining for you (1 being the most constraining)?

	Nb	% obs.	Imp.
Time between network parameters publication and gate closure time	33	82.5%	3.32
Time between market results and hub nominations	33	82.5%	3.16
Time between market results publication and nomination of the production to TSO	32	80.0%	2.78
Time between market results publication and cross-border nominations gate closure time on borders outside CWE	34	85.0%	3.43
Other	6	15.0%	0.38
<b>Total</b>	<b>40</b>		



### 3-What is your needed time between network parameters publication and gate closure time (in minutes)?

	Nb	% cit.
45	4	10.5%
60	8	21.1%
75	4	10.5%
90	22	57.9%
<b>Total</b>	<b>38</b>	<b>100.0%</b>



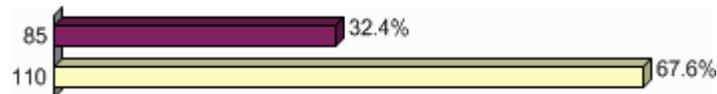
### 4- What is your needed time between market results publication and hub nominations in Belgium (in minutes)?

	Nb	% cit.
30	2	7.1%
45	6	21.4%
60	20	71.4%
<b>Total</b>	<b>28</b>	<b>100.0%</b>



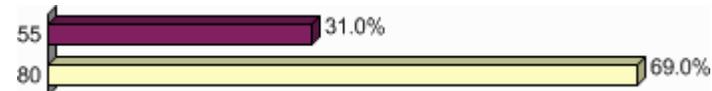
**5- What is your needed time between market results publication and hub nominations in Germany (in minutes)?**

	Nb	% cit.
85	12	32.4%
110	25	67.6%
<b>Total</b>	<b>37</b>	<b>100.0%</b>



**6- What is your needed time between market results publication and hub nominations in The Netherlands (in minutes)?**

	Nb	% cit.
55	9	31.0%
80	20	69.0%
<b>Total</b>	<b>29</b>	<b>100.0%</b>

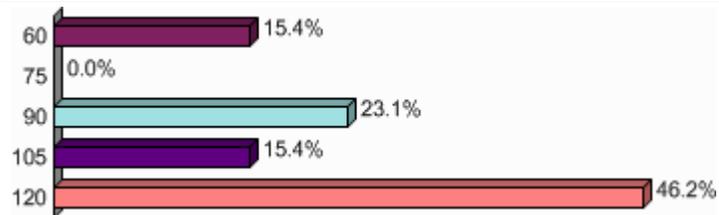


**7- What is your needed time between market results publication and nomination of production to TSO given the new generation schedules deadlines in France (in minutes)?**

	Nb	% cit.
115	10	30.3%
130	11	33.3%
140	12	36.4%
<b>Total</b>	<b>33</b>	<b>100.0%</b>

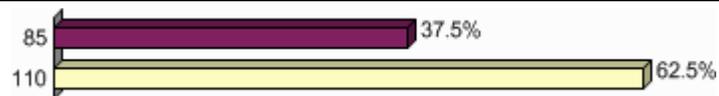


8- What is your needed time between market results publication and nomination of production to TSO given the new generation schedules deadlines in Belgium (in minutes)?		
	Nb	% cit.
60	4	15.4%
75	0	0.0%
90	6	23.1%
105	4	15.4%
120	12	46.2%
<b>Total</b>	<b>26</b>	<b>100.0%</b>



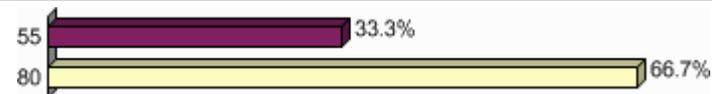
9- What is your needed time between market results publication and nomination of production to TSO given the new generation schedules deadlines Germany (in minutes)?		
	Nb	% cit.
85	12	37.5%
110	20	62.5%

<b>Total</b>	<b>32</b>	<b>100.0%</b>
--------------	-----------	---------------



**10- What is your needed time between market results publication and nomination of production to TSO given the new generation schedules deadlines The Netherlands (in minutes)?**

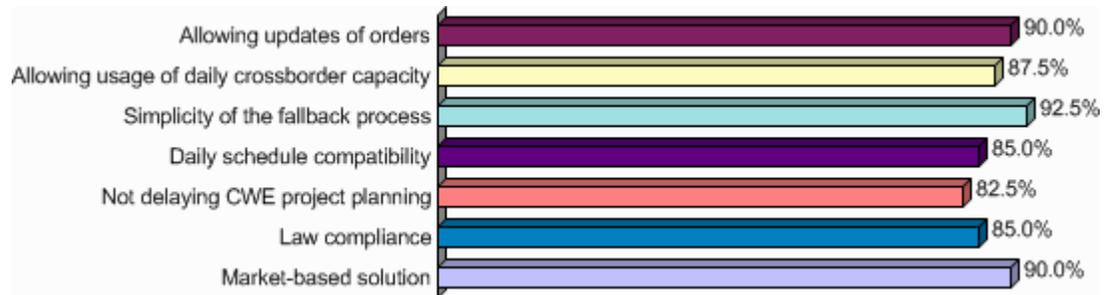
	Nb	% cit.
55	9	33.3%
80	18	66.7%
<b>Total</b>	<b>27</b>	<b>100.0%</b>



## Fall Back Solutions

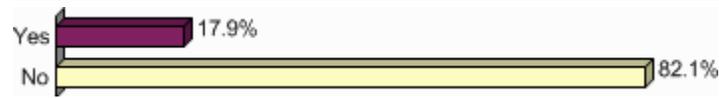
**1- In case of fallback situation, how would you rank the following requirements (1 being the most important)?**

	Nb	% obs.	Imp.
Allowing updates of orders	36	90.0%	4.82
Allowing usage of daily crossborder capacity	35	87.5%	4.55
Simplicity of the fallback process	37	92.5%	4.79
Daily schedule compatibility	34	85.0%	3.79
Not delaying CWE project planning	33	82.5%	1.92
Law compliance	34	85.0%	2.16
Market-based solution	36	90.0%	4.55
<b>Total</b>	<b>40</b>		



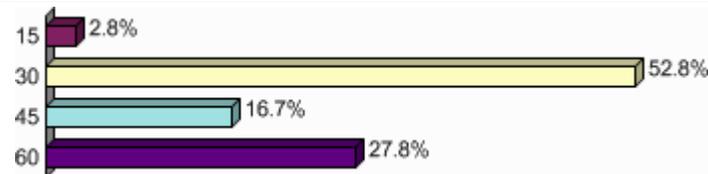
**2- Is option 1 acceptable regarding the risk of being unbalanced in day-ahead?**

	Nb	% cit.
Yes	7	17.9%
No	32	82.1%
<b>Total</b>	<b>39</b>	<b>100.0%</b>



**3- As far as option 1 is concerned, what time do you need to update your orders in the order books (in minutes)?**

	Nb	% cit.
15	1	2.8%
30	19	52.8%
45	6	16.7%
60	10	27.8%
<b>Total</b>	<b>36</b>	<b>100.0%</b>



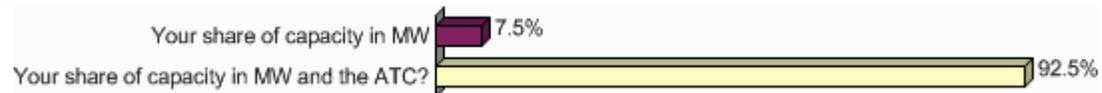
4-As far as option 2 is concerned, how often should the participants of the fallback mechanism have the possibility to register?

	Nb	% cit.
Once at all	13	34.2%
Once a year	10	26.3%
Once a month	15	39.5%
<b>Total</b>	<b>38</b>	<b>100.0%</b>



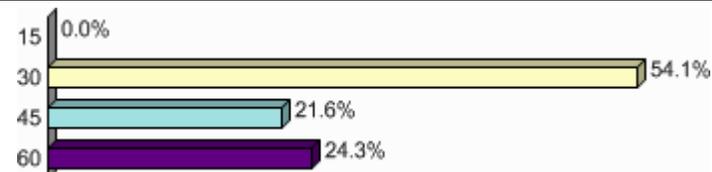
5- In case of option 2, do you need to know :

	Nb	% obs.
Your share of capacity in MW	3	7.5%
Your share of capacity in MW and the ATC?	37	92.5%
<b>Total</b>	<b>40</b>	<b>100.0%</b>



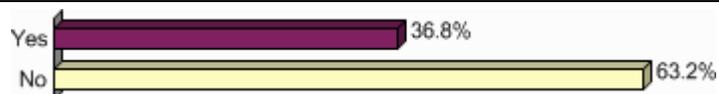
6- In case of option 2, what time do you need to update your orders in the order book once you know the capacity you have (in minutes)?

	Nb	% cit.
15	0	0.0%
30	20	54.1%
45	8	21.6%
60	9	24.3%
<b>Total</b>	<b>37</b>	<b>100.0%</b>



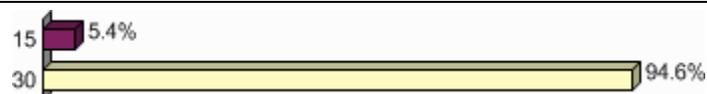
7- Knowing that fallbacks are very rare, would option 2 be acceptable even if it is not market-based?

	Nb	% cit.
Yes	14	36.8%
No	24	63.2%
<b>Total</b>	<b>38</b>	<b>100.0%</b>



8-As far as option 3 is concerned, what is your minimum needed time between the publication of ATC auction specification and auction start (in minutes)?

	Nb	% cit.
15	2	5.4%
30	35	94.6%
<b>Total</b>	<b>37</b>	<b>100.0%</b>



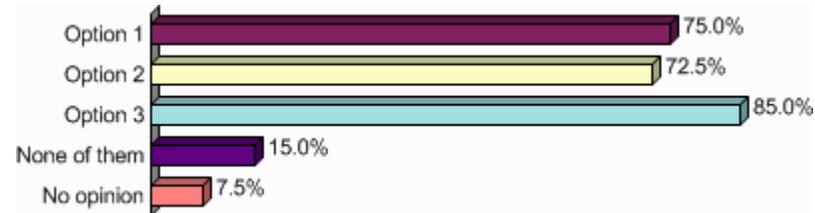
9- In case of option 3, what time do you need to update your orders in the order book once you know the capacity you have (in minutes)?

	Nb	% cit.
15	2	5.6%
30	21	58.3%
45	4	11.1%
60	9	25.0%
<b>Total</b>	<b>36</b>	<b>100.0%</b>



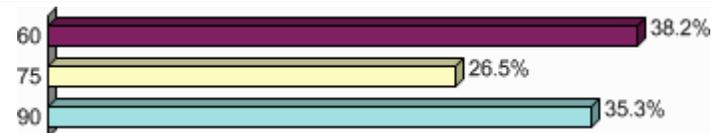
10-How would you rank those three options (1 being the most acceptable for you)?

	Nb	% obs.	Imp.
Option 1	30	75.0%	2.79
Option 2	29	72.5%	3.00
Option 3	34	85.0%	4.08
None of them	6	15.0%	0.55
No opinion	3	7.5%	0.21
<b>Total</b>	<b>40</b>		



12- In case of fallback, what is your needed time between market results publication and nomination of production to the TSO in France (in minutes)?

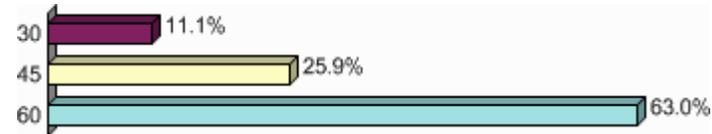
	Nb	% cit.
60	13	38.2%
75	9	26.5%
90	12	35.3%
<b>Total</b>	<b>34</b>	<b>100.0%</b>



13- In case of fallback, what is your needed time between market results publications and nomination of production to the TSO in Belgium (in minutes)?

	Nb	% cit.
--	----	--------

30	3	11.1%
45	7	25.9%
60	17	63.0%
<b>Total</b>	<b>27</b>	<b>100.0%</b>

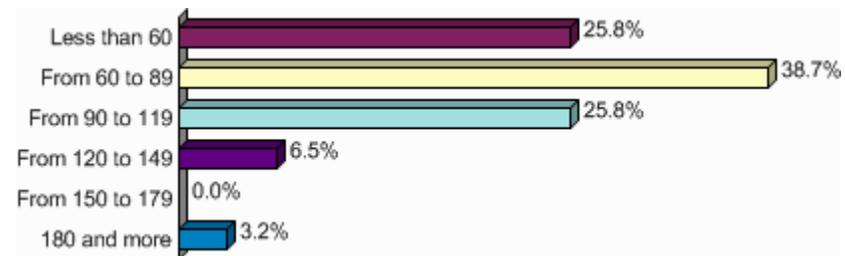


**14-In case of fallback, what is your needed time between market results publication and nomination of production to the TSO in Germany (in minutes)?**

Mean = **72.58**

Min = **30** Max = **180**

	Nb	% cit.
Less than 60	8	25.8%
From 60 to 89	12	38.7%
From 90 to 119	8	25.8%
From 120 to 149	2	6.5%
From 150 to 179	0	0.0%
180 and more	1	3.2%
<b>Total</b>	<b>31</b>	<b>100.0%</b>



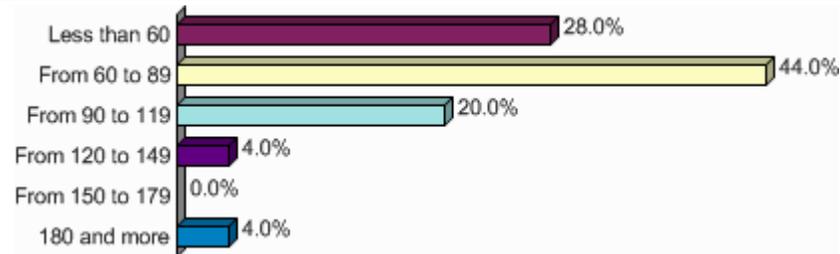
**15- In case of fallback, what is your needed time between market results publication and nomination of production to the TSO in The Netherlands (in minutes)?**

Mean = **68.20**

Min = **30** Max = **180**

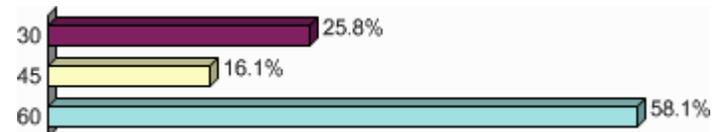
	Nb	% cit.
Less than 60	7	28.0%
From 60 to 89	11	44.0%
From 90 to 119	5	20.0%
From 120 to 149	1	4.0%
From 150 to 179	0	0.0%
180 and more	1	4.0%

<b>Total</b>	<b>25</b>	<b>100.0%</b>
--------------	-----------	---------------



**16- In case of option 2 and 3, what is your needed time in France between crossborder nominations and nomination of production to the TSO (in minutes)?**

	Nb	% cit.
30	8	25.8%
45	5	16.1%
60	18	58.1%
<b>Total</b>	<b>31</b>	<b>100.0%</b>



**17- In case of option 2 and 3, what is your needed time in France between power exchange results publication and crossborder nominations (in minutes)?**

	Nb	% cit.
15	2	5.6%
30	34	94.4%
<b>Total</b>	<b>36</b>	<b>100.0%</b>



**18- In case of option 2 and 3, what is your needed time in Belgium between power exchange results publication and crossborder nominations (in minutes)?**

	Nb	% cit.
--	----	--------

15	3	11.1%
30	24	88.9%
<b>Total</b>	<b>27</b>	<b>100.0%</b>

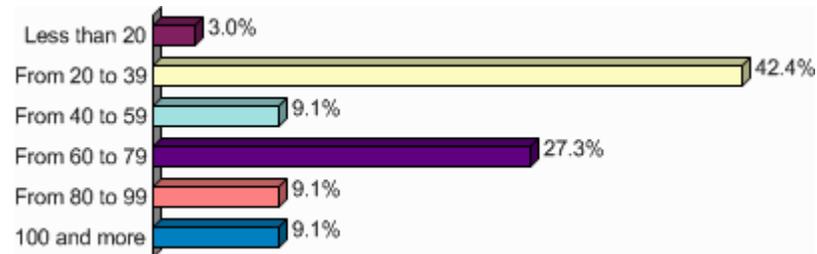


**19- In case of option 2 and 3, what is your needed time in Germany between power exchange results publication and crossborder nominations (in minutes)?**

Mean = **51.97**

Min = **15** Max = **120**

	Nb	% cit.
Less than 20	1	3.0%
From 20 to 39	14	42.4%
From 40 to 59	3	9.1%
From 60 to 79	9	27.3%
From 80 to 99	3	9.1%
100 and more	3	9.1%
<b>Total</b>	<b>33</b>	<b>100.0%</b>

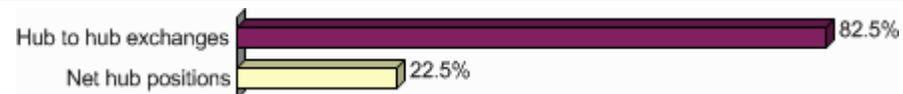


20- In case of option 2 and 3, what is your needed time in The Netherlands between power exchange results publication and crossborder nominations (in minutes)?		
	Nb	% cit.
15	3	10.0%
30	27	90.0%
<b>Total</b>	<b>30</b>	<b>100.0%</b>



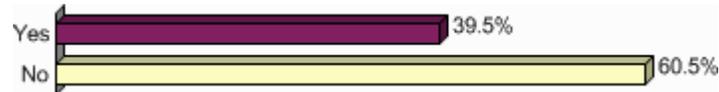
## Flow-Based Model and Data publication

1- In the simulation worksheet, what would you prefer to enter?		
	Nb	% obs.
Hub to hub exchanges	33	82.5%
Net hub positions	9	22.5%
<b>Total</b>	<b>40</b>	



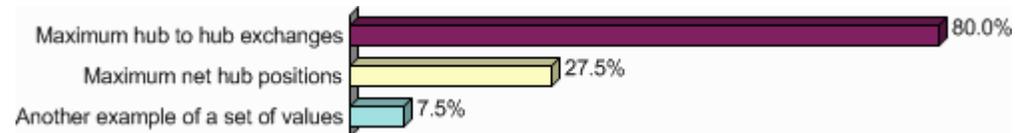
2-Do you need other data than the ones presented?

	Nb	% cit.
Yes	15	39.5%
No	23	60.5%
<b>Total</b>	<b>38</b>	<b>100.0%</b>



3-What would be your preferred indicator to visualize network limitations?

	Nb	% obs.
Maximum hub to hub exchanges	32	80.0%
Maximum net hub positions	11	27.5%
Another example of a set of values	3	7.5%
<b>Total</b>	<b>40</b>	



4-Do you need other network data than the ones presented?

	Nb	% cit.
Yes	17	45.9%
No	20	54.1%
<b>Total</b>	<b>37</b>	<b>100.0%</b>



5-Would you prefer to have network information published on a common website managed by the TSOs?

	Nb	% cit.

Yes	37	97.4%
No	1	2.6%
No opinion	0	0.0%
<b>Total</b>	<b>38</b>	<b>100.0%</b>

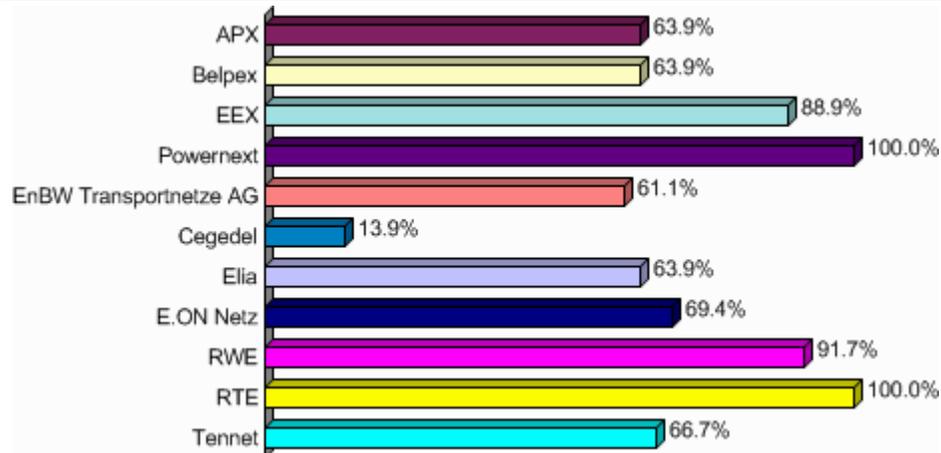


## 2-Respondents that are either RTE customer or Powernext member

### General

3-You are a customer of...		
	Nb	% obs.
APX	23	63.9%
Belpex	23	63.9%
EEX	32	88.9%
Powernext	36	100.0%
EnBW Transportnetze AG	22	61.1%

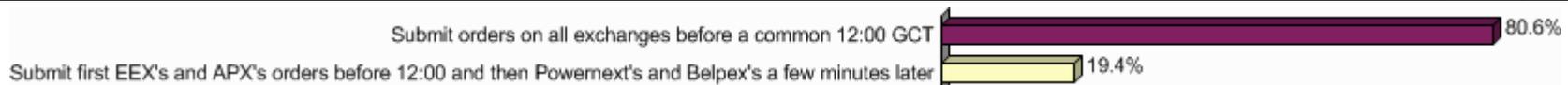
Cegedel	5	13.9%
Elia	23	63.9%
E.ON Netz	25	69.4%
RWE	33	91.7%
RTE	36	100.0%
Tennet	24	66.7%
<b>Total</b>	<b>36</b>	



## Daily Schedule and Market Timings

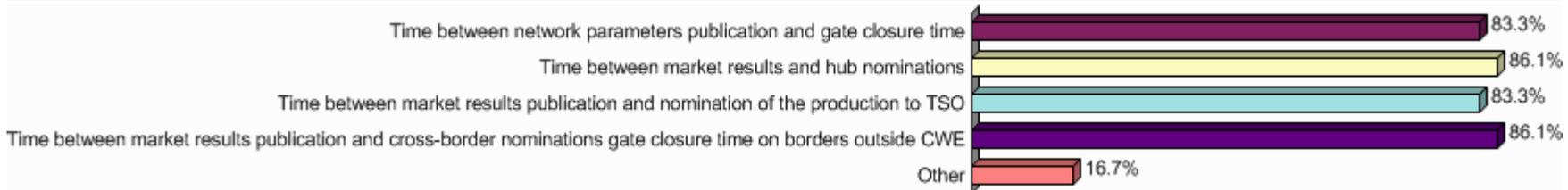
1-Since currently, Powernext and Belpex do not have interregional coupling (NordNed, EMCC), which option is preferable?

	Nb	% cit.
Submit orders on all exchanges before a common 12:00 GCT	29	80.6%
Submit first EEX's and APX's orders before 12:00 and then Powernext's and Belpex's a few minutes later	7	19.4%
<b>Total</b>	<b>36</b>	<b>100.0%</b>



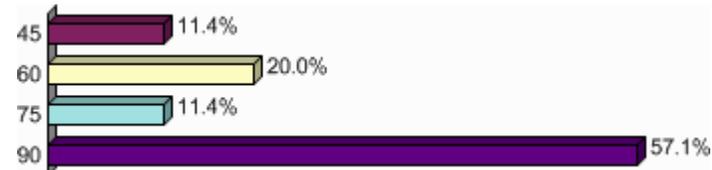
2-What time interval is the most constraining for you (1 being the most constraining)?

	Nb	% obs.	Imp.
Time between network parameters publication and gate closure time	30	83.3%	3.29
Time between market results and hub nominations	31	86.1%	3.21
Time between market results publication and nomination of the production to TSO	30	83.3%	2.85
Time between market results publication and cross-border nominations gate closure time on borders outside CWE	31	86.1%	3.38
Other	6	16.7%	0.41
<b>Total</b>	<b>36</b>		



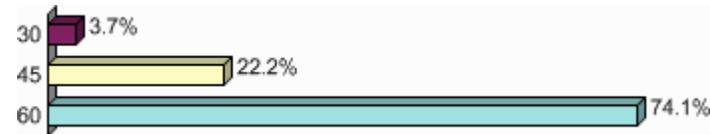
### 3-What is your needed time between network parameters publication and gate closure time (in minutes)?

	Nb	% cit.
45	4	11.4%
60	7	20.0%
75	4	11.4%
90	20	57.1%
<b>Total</b>	<b>35</b>	<b>100.0%</b>



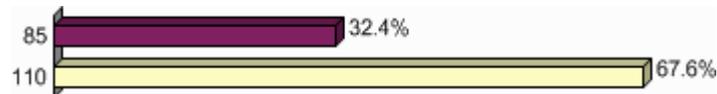
### 4- What is your needed time between market results publication and hub nominations in Belgium (in minutes)?

	Nb	% cit.
30	1	3.7%
45	6	22.2%
60	20	74.1%
<b>Total</b>	<b>27</b>	<b>100.0%</b>



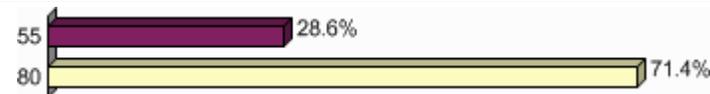
**5- What is your needed time between market results publication and hub nominations in Germany (in minutes)?**

	Nb	% cit.
85	11	32.4%
110	23	67.6%
<b>Total</b>	<b>34</b>	<b>100.0%</b>



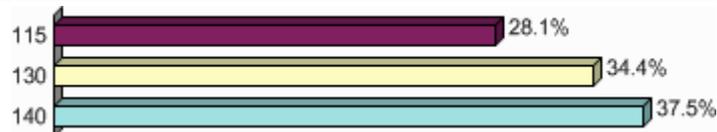
**6- What is your needed time between market results publication and hub nominations in The Netherlands (in minutes)?**

	Nb	% cit.
55	8	28.6%
80	20	71.4%
<b>Total</b>	<b>28</b>	<b>100.0%</b>



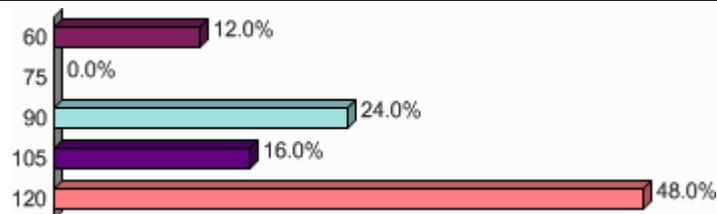
**7- What is your needed time between market results publication and nomination of production to TSO given the new generation schedules deadlines in France (in minutes)?**

	Nb	% cit.
115	9	28.1%
130	11	34.4%
140	12	37.5%
<b>Total</b>	<b>32</b>	<b>100.0%</b>



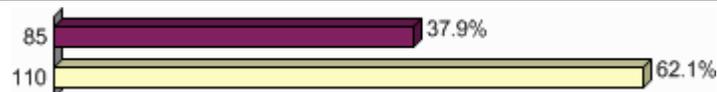
**8- What is your needed time between market results publication and nomination of production to TSO given the new generation schedules deadlines in Belgium (in minutes)?**

	Nb	% cit.
60	3	12.0%
75	0	0.0%
90	6	24.0%
105	4	16.0%
120	12	48.0%
<b>Total</b>	<b>25</b>	<b>100.0%</b>



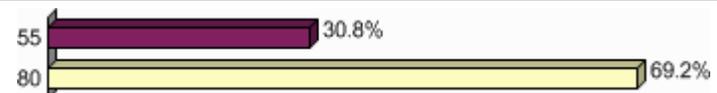
**9- What is your needed time between market results publication and nomination of production to TSO given the new generation schedules deadlines Germany (in minutes)?**

	Nb	% cit.
85	11	37.9%
110	18	62.1%
<b>Total</b>	<b>29</b>	<b>100.0%</b>



**10- What is your needed time between market results publication and nomination of production to TSO given the new generation schedules deadlines The Netherlands (in minutes)?**

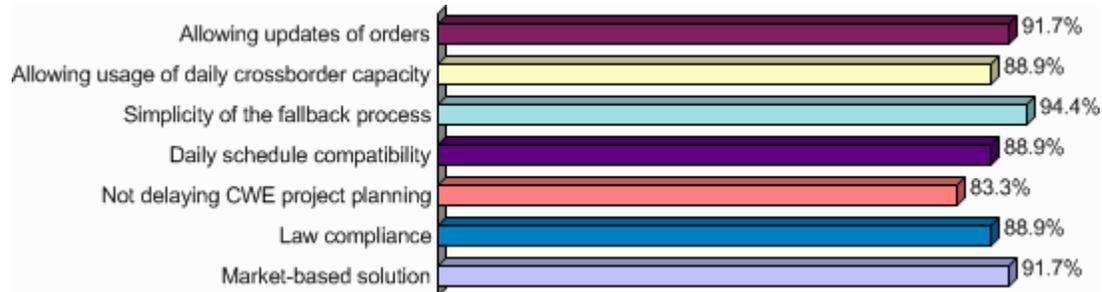
	Nb	% cit.
55	8	30.8%
80	18	69.2%
<b>Total</b>	<b>26</b>	<b>100.0%</b>



## Fall Back Solutions

### 1- In case of fallback situation, how would you rank the following requirements (1 being the most important)?

	Nb	% obs.	Imp.
Allowing updates of orders	33	91.7%	4.80
Allowing usage of daily crossborder capacity	32	88.9%	4.54
Simplicity of the fallback process	34	94.4%	4.80
Daily schedule compatibility	32	88.9%	3.83
Not delaying CWE project planning	30	83.3%	1.94
Law compliance	32	88.9%	2.17
Market-based solution	33	91.7%	4.46
<b>Total</b>	<b>36</b>		



### 2- Is option 1 acceptable regarding the risk of being unbalanced in day-ahead?

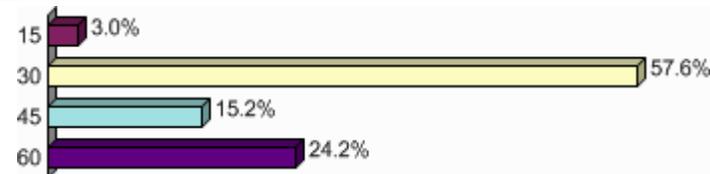
	Nb	% cit.
Yes	6	16.7%
No	30	83.3%
<b>Total</b>	<b>36</b>	<b>100.0%</b>



### 3- As far as option 1 is concerned, what time do you need to update your orders in the order books (in minutes)?

	Nb	% cit.
15	1	3.0%

30	19	57.6%
45	5	15.2%
60	8	24.2%
<b>Total</b>	<b>33</b>	<b>100.0%</b>



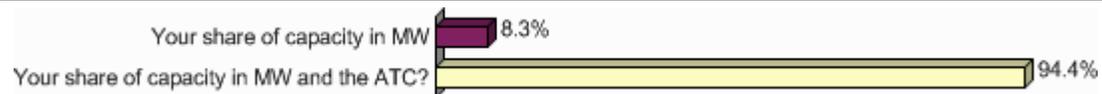
**4-As far as option 2 is concerned, how often should the participants of the fallback mechanism have the possibility to register?**

	Nb	% cit.
Once at all	12	34.3%
Once a year	10	28.6%
Once a month	13	37.1%
<b>Total</b>	<b>35</b>	<b>100.0%</b>



**5- In case of option 2, do you need to know :**

	Nb	% obs.
Your share of capacity in MW	3	8.3%
Your share of capacity in MW and the ATC?	34	94.4%
<b>Total</b>	<b>36</b>	



**6- In case of option 2, what time do you need to update your orders in the order book once you know the capacity you have (in minutes)?**

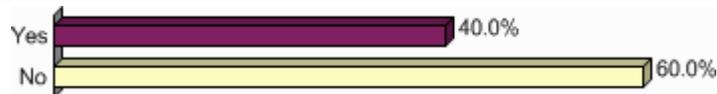
	Nb	% cit.
15	0	0.0%
30	20	58.8%

45	6	17.6%
60	8	23.5%
<b>Total</b>	<b>34</b>	<b>100.0%</b>



**7- Knowing that fallbacks are very rare, would option 2 be acceptable even if it is not market-based?**

	Nb	% cit.
Yes	14	40.0%
No	21	60.0%
<b>Total</b>	<b>35</b>	<b>100.0%</b>



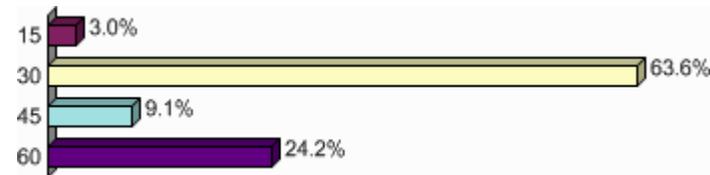
**8-As far as option 3 is concerned, what is your minimum needed time between the publication of ATC auction specification and auction start (in minutes)?**

	Nb	% cit.
15	1	2.9%
30	33	97.1%
<b>Total</b>	<b>34</b>	<b>100.0%</b>



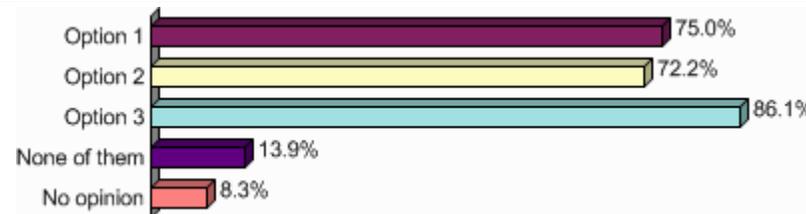
**9- In case of option 3, what time do you need to update your orders in the order book once you know the capacity you have (in minutes)?**

	Nb	% cit.
15	1	3.0%
30	21	63.6%
45	3	9.1%
60	8	24.2%
<b>Total</b>	<b>33</b>	<b>100.0%</b>



**10-How would you rank those three options (1 being the most acceptable for you)?**

	Nb	% obs.	Imp.
Option 1	27	75.0%	2.74
Option 2	26	72.2%	2.91
Option 3	31	86.1%	4.06
None of them	5	13.9%	0.51
No opinion	3	8.3%	0.23
<b>Total</b>	<b>36</b>		



**12- In case of fallback, what is your needed time between market results publication and nomination of production to the TSO in France (in minutes)?**

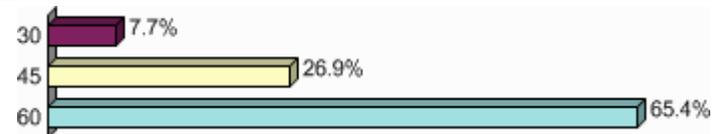
	Nb	% cit.
60	12	36.4%
75	9	27.3%
90	12	36.4%
<b>Total</b>	<b>33</b>	<b>100.0%</b>



**13- In case of fallback, what is your needed time between market results publications and nomination of production to the TSO in Belgium (in minutes)?**

	Nb	% cit.
--	----	--------

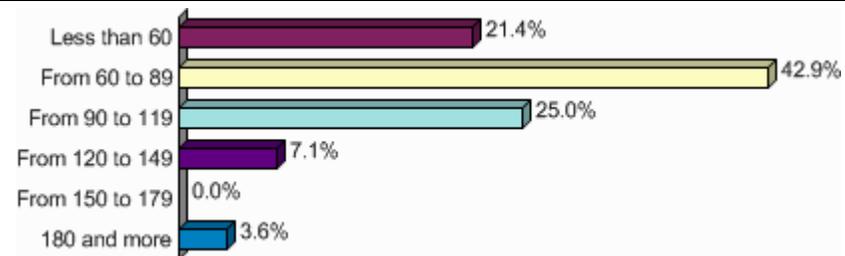
30	2	7.7%
45	7	26.9%
60	17	65.4%
<b>Total</b>	<b>26</b>	<b>100.0%</b>



**14-In case of fallback, what is your needed time between market results publication and nomination of production to the TSO in Germany (in minutes)?**

Mean = **73.75**  
 Min = **30** Max = **180**

	Nb	% cit.
Less than 60	6	21.4%
From 60 to 89	12	42.9%
From 90 to 119	7	25.0%
From 120 to 149	2	7.1%
From 150 to 179	0	0.0%
180 and more	1	3.6%
<b>Total</b>	<b>28</b>	<b>100.0%</b>

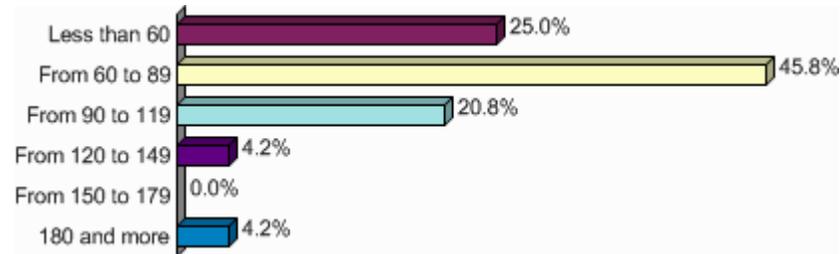


**15- In case of fallback, what is your needed time between market results publication and nomination of production to the TSO in The Netherlands (in minutes)?**

Mean = **69.79**  
 Min = **30** Max = **180**

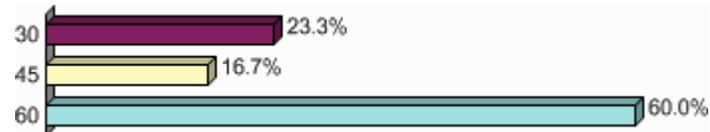
	Nb	% cit.
Less than 60	6	25.0%
From 60 to 89	11	45.8%

From 90 to 119	5	20.8%
From 120 to 149	1	4.2%
From 150 to 179	0	0.0%
180 and more	1	4.2%
<b>Total</b>	<b>24</b>	<b>100.0%</b>



**16- In case of option 2 and 3, what is your needed time in France between crossborder nominations and nomination of production to the TSO (in minutes)?**

	Nb	% cit.
30	7	23.3%
45	5	16.7%
60	18	60.0%
<b>Total</b>	<b>30</b>	<b>100.0%</b>



**17- In case of option 2 and 3, what is your needed time in France between power exchange results publication and crossborder nominations (in minutes)?**

	Nb	% cit.
15	1	2.9%
30	33	97.1%
<b>Total</b>	<b>34</b>	<b>100.0%</b>



**18- In case of option 2 and 3, what is your needed time in Belgium between power exchange results publication and crossborder nominations (in minutes)?**

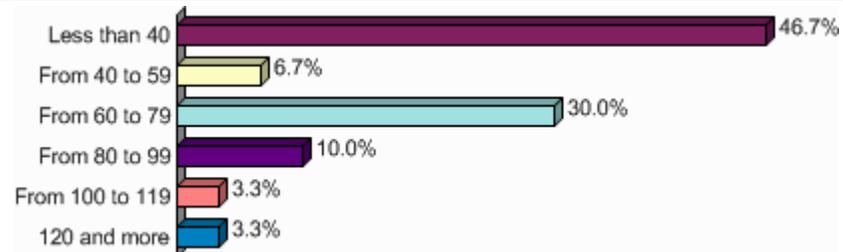
	Nb	% cit.
15	2	7.7%
30	24	92.3%
<b>Total</b>	<b>26</b>	<b>100.0%</b>



**19- In case of option 2 and 3, what is your needed time in Germany between power exchange results publication and crossborder nominations (in minutes)?**

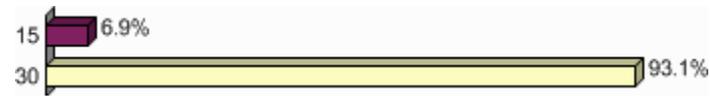
Mean = 51.50  
Min = 20 Max = 120

	Nb	% cit.
Less than 40	14	46.7%
From 40 to 59	2	6.7%
From 60 to 79	9	30.0%
From 80 to 99	3	10.0%
From 100 to 119	1	3.3%
120 and more	1	3.3%
<b>Total</b>	<b>30</b>	<b>100.0%</b>



**20- In case of option 2 and 3, what is your needed time in The Netherlands between power exchange results publication and crossborder nominations (in minutes)?**

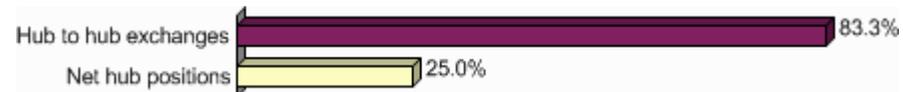
	Nb	% cit.
15	2	6.9%
30	27	93.1%
<b>Total</b>	<b>29</b>	<b>100.0%</b>



## Flow-Based Model and Data publication

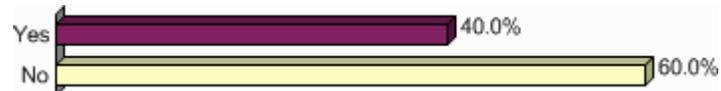
### 1- In the simulation worksheet, what would you prefer to enter?

	Nb	% obs.
Hub to hub exchanges	30	83.3%
Net hub positions	9	25.0%
<b>Total</b>	<b>36</b>	



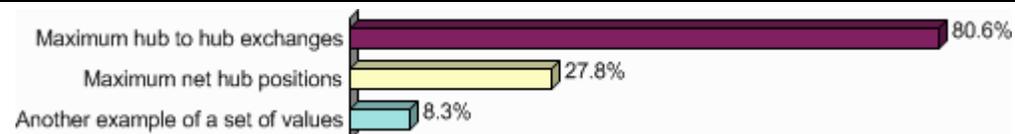
### 2-Do you need other data than the ones presented?

	Nb	% cit.
Yes	14	40.0%
No	21	60.0%
<b>Total</b>	<b>35</b>	<b>100.0%</b>



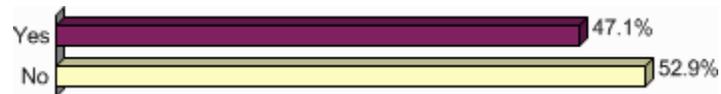
### 3-What would be your preferred indicator to visualize network limitations?

	Nb	% obs.
Maximum hub to hub exchanges	29	80.6%
Maximum net hub positions	10	27.8%
Another example of a set of values	3	8.3%
<b>Total</b>	<b>36</b>	



4-Do you need other network data than the ones presented?

	Nb	% cit.
Yes	16	47.1%
No	18	52.9%
<b>Total</b>	<b>34</b>	<b>100.0%</b>



5-Would you prefer to have network information published on a common website managed by the TSOs?

	Nb	% cit.
Yes	35	100.0%
No	0	0.0%
No opinion	0	0.0%
<b>Total</b>	<b>35</b>	<b>100.0%</b>



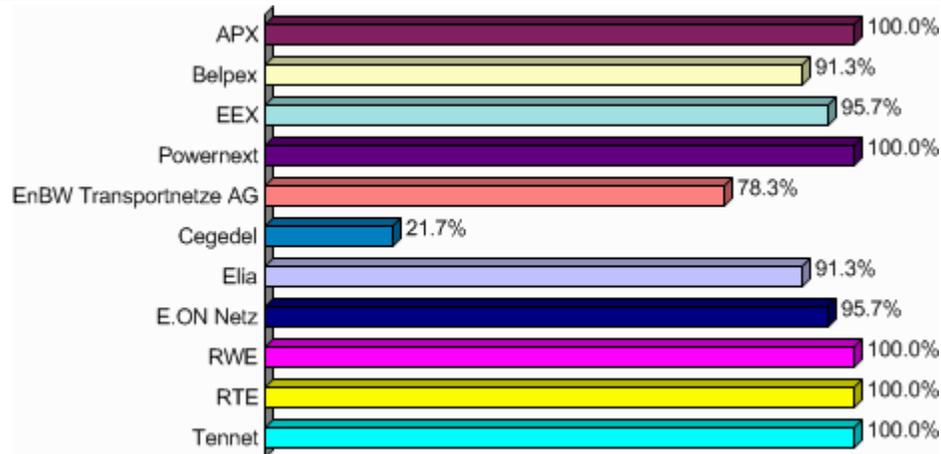
### 3-Respondents that are either Tennet customer or APX member

#### General

3-You are a customer of...

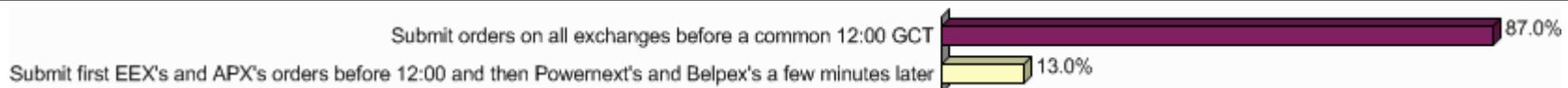
	Nb	% obs.
APX	23	100.0%
Belpex	21	91.3%
EEX	22	95.7%
Powernext	23	100.0%
EnBW Transportnetze AG	18	78.3%
Cegedel	5	21.7%

Elia	21	91.3%
E.ON Netz	22	95.7%
RWE	23	100.0%
RTE	23	100.0%
Tennet	23	100.0%
<b>Total</b>	<b>23</b>	



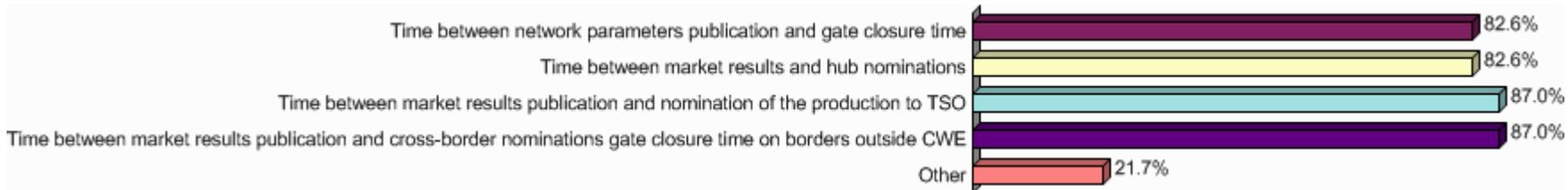
## Daily Schedule and Market Timings

1-Since currently, Powernext and Belpex do not have interregional coupling (NordNed, EMCC), which option is preferable?		
	Nb	% cit.
Submit orders on all exchanges before a common 12:00 GCT	20	87.0%
Submit first EEX's and APX's orders before 12:00 and then Powernext's and Belpex's a few minutes later	3	13.0%
<b>Total</b>	<b>23</b>	<b>100.0%</b>



2-What time interval is the most constraining for you (1 being the most constraining)?			
	Nb	% obs.	Imp.

Time between network parameters publication and gate closure time	19	82.6%	3.14
Time between market results and hub nominations	19	82.6%	3.09
Time between market results publication and nomination of the production to TSO	20	87.0%	3.09
Time between market results publication and cross-border nominations gate closure time on borders outside CWE	20	87.0%	3.23
Other	5	21.7%	0.59
<b>Total</b>	<b>23</b>		



### 3-What is your needed time between network parameters publication and gate closure time (in minutes)?

	Nb	% cit.
45	1	4.3%
60	3	13.0%
75	3	13.0%
90	16	69.6%
<b>Total</b>	<b>23</b>	<b>100.0%</b>



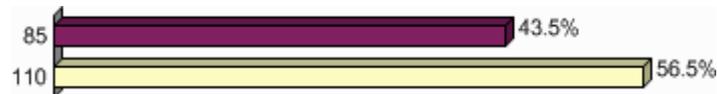
### 4- What is your needed time between market results publication and hub nominations in Belgium (in minutes)?

	Nb	% cit.
30	0	0.0%
45	4	19.0%
60	17	81.0%
<b>Total</b>	<b>21</b>	<b>100.0%</b>



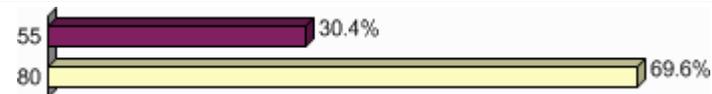
**5- What is your needed time between market results publication and hub nominations in Germany (in minutes)?**

	Nb	% cit.
85	10	43.5%
110	13	56.5%
<b>Total</b>	<b>23</b>	<b>100.0%</b>



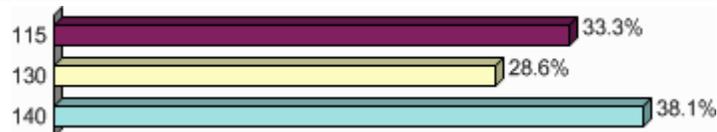
**6- What is your needed time between market results publication and hub nominations in The Netherlands (in minutes)?**

	Nb	% cit.
55	7	30.4%
80	16	69.6%
<b>Total</b>	<b>23</b>	<b>100.0%</b>



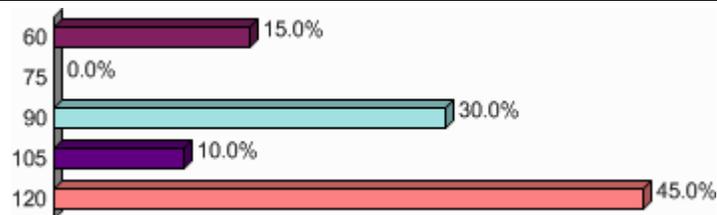
**7- What is your needed time between market results publication and nomination of production to TSO given the new generation schedules deadlines in France (in minutes)?**

	Nb	% cit.
115	7	33.3%
130	6	28.6%
140	8	38.1%
<b>Total</b>	<b>21</b>	<b>100.0%</b>



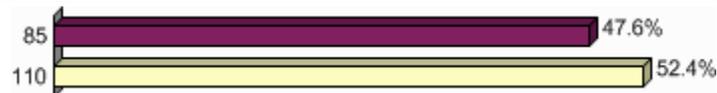
**8- What is your needed time between market results publication and nomination of production to TSO given the new generation schedules deadlines in Belgium (in minutes)?**

	Nb	% cit.
60	3	15.0%
75	0	0.0%
90	6	30.0%
105	2	10.0%
120	9	45.0%
<b>Total</b>	<b>20</b>	<b>100.0%</b>



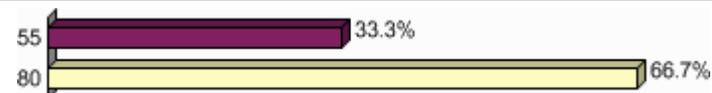
**9- What is your needed time between market results publication and nomination of production to TSO given the new generation schedules deadlines Germany (in minutes)?**

	Nb	% cit.
85	10	47.6%
110	11	52.4%
<b>Total</b>	<b>21</b>	<b>100.0%</b>



**10- What is your needed time between market results publication and nomination of production to TSO given the new generation schedules deadlines The Netherlands (in minutes)?**

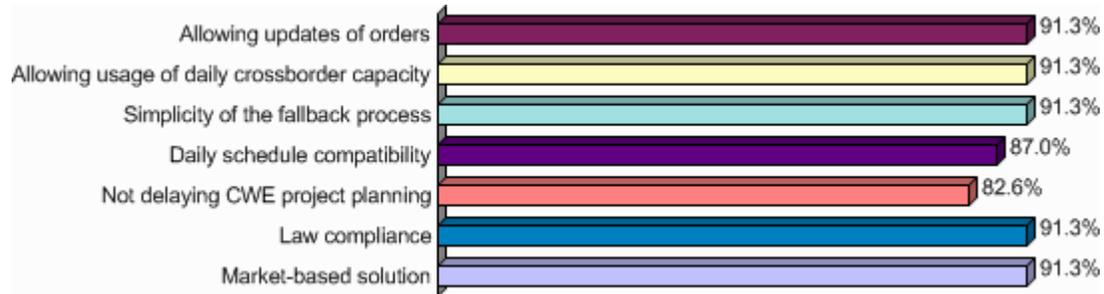
	Nb	% cit.
55	7	33.3%
80	14	66.7%
<b>Total</b>	<b>21</b>	<b>100.0%</b>



## Fall Back Solutions

### 1- In case of fallback situation, how would you rank the following requirements (1 being the most important)?

	Nb	% obs.	Imp.
Allowing updates of orders	21	91.3%	4.55
Allowing usage of daily crossborder capacity	21	91.3%	4.64
Simplicity of the fallback process	21	91.3%	4.73
Daily schedule compatibility	20	87.0%	3.59
Not delaying CWE project planning	19	82.6%	2.09
Law compliance	21	91.3%	2.41
Market-based solution	21	91.3%	4.82
<b>Total</b>	<b>23</b>		



### 2- Is option 1 acceptable regarding the risk of being unbalanced in day-ahead?

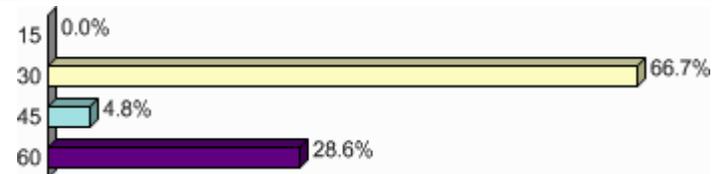
	Nb	% cit.
Yes	4	17.4%
No	19	82.6%
<b>Total</b>	<b>23</b>	<b>100.0%</b>



### 3- As far as option 1 is concerned, what time do you need to update your orders in the order books (in minutes)?

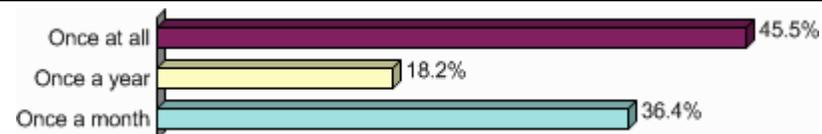
	Nb	% cit.
15	0	0.0%

30	14	66.7%
45	1	4.8%
60	6	28.6%
<b>Total</b>	<b>21</b>	<b>100.0%</b>



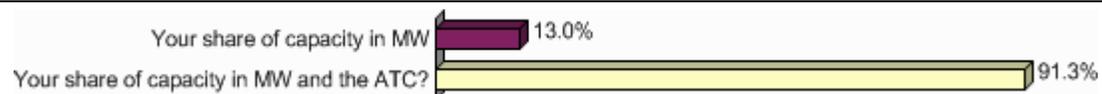
**4-As far as option 2 is concerned, how often should the participants of the fallback mechanism have the possibility to register?**

	Nb	% cit.
Once at all	10	45.5%
Once a year	4	18.2%
Once a month	8	36.4%
<b>Total</b>	<b>22</b>	<b>100.0%</b>



**5- In case of option 2, do you need to know :**

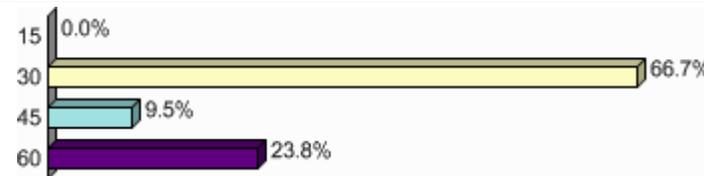
	Nb	% obs.
Your share of capacity in MW	3	13.0%
Your share of capacity in MW and the ATC?	21	91.3%
<b>Total</b>	<b>23</b>	



**6- In case of option 2, what time do you need to update your orders in the order book once you know the capacity you have (in minutes)?**

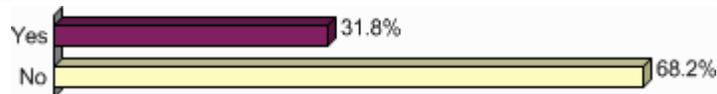
	Nb	% cit.
15	0	0.0%
30	14	66.7%

45	2	9.5%
60	5	23.8%
<b>Total</b>	<b>21</b>	<b>100.0%</b>



**7- Knowing that fallbacks are very rare, would option 2 be acceptable even if it is not market-based?**

	Nb	% cit.
Yes	7	31.8%
No	15	68.2%
<b>Total</b>	<b>22</b>	<b>100.0%</b>



**8-As far as option 3 is concerned, what is your minimum needed time between the publication of ATC auction specification and auction start (in minutes)?**

	Nb	% cit.
15	0	0.0%
30	22	100.0%
<b>Total</b>	<b>22</b>	<b>100.0%</b>



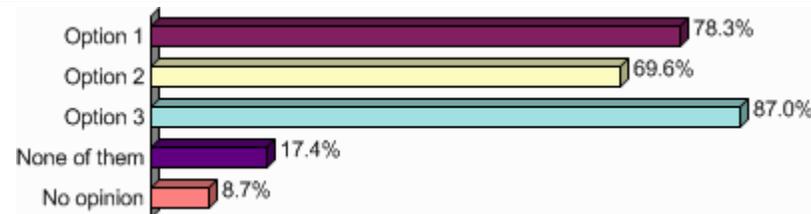
**9- In case of option 3, what time do you need to update your orders in the order book once you know the capacity you have (in minutes)?**

	Nb	% cit.
15	0	0.0%
30	17	77.3%
45	0	0.0%
60	5	22.7%
<b>Total</b>	<b>22</b>	<b>100.0%</b>



**10-How would you rank those three options (1 being the most acceptable for you)?**

	Nb	% obs.	Imp.
Option 1	18	78.3%	2.91
Option 2	16	69.6%	2.91
Option 3	20	87.0%	4.09
None of them	4	17.4%	0.59
No opinion	2	8.7%	0.14
<b>Total</b>	<b>23</b>		



**12- In case of fallback, what is your needed time between market results publication and nomination of production to the TSO in France (in minutes)?**

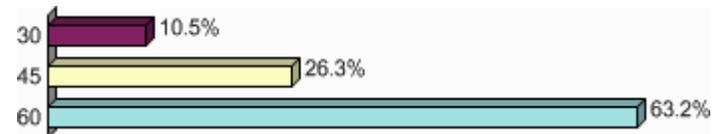
	Nb	% cit.
60	11	52.4%
75	3	14.3%
90	7	33.3%
<b>Total</b>	<b>21</b>	<b>100.0%</b>



**13- In case of fallback, what is your needed time between market results publications and nomination of production to the TSO in Belgium (in minutes)?**

	Nb	% cit.
--	----	--------

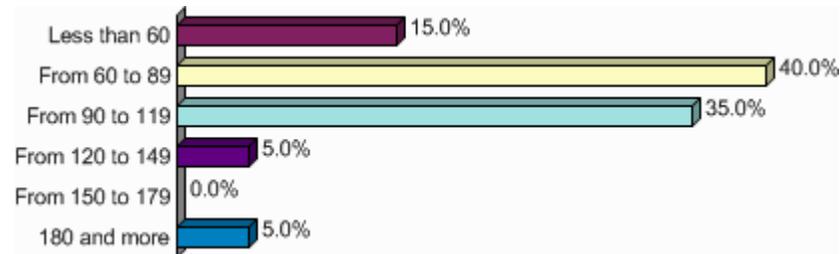
30	2	10.5%
45	5	26.3%
60	12	63.2%
<b>Total</b>	<b>19</b>	<b>100.0%</b>



**14-In case of fallback, what is your needed time between market results publication and nomination of production to the TSO in Germany (in minutes)?**

Mean = **78.50**  
 Min = **30** Max = **180**

	Nb	% cit.
Less than 60	3	15.0%
From 60 to 89	8	40.0%
From 90 to 119	7	35.0%
From 120 to 149	1	5.0%
From 150 to 179	0	0.0%
180 and more	1	5.0%
<b>Total</b>	<b>20</b>	<b>100.0%</b>

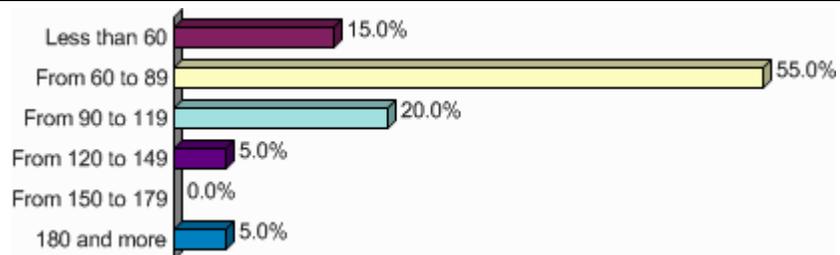


**15- In case of fallback, what is your needed time between market results publication and nomination of production to the TSO in The Netherlands (in minutes)?**

Mean = **73.25**  
 Min = **30** Max = **180**

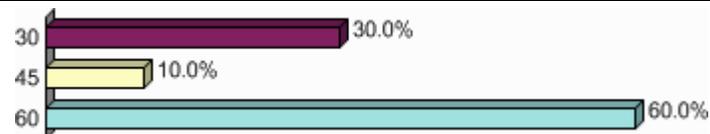
	Nb	% cit.
Less than 60	3	15.0%
From 60 to 89	11	55.0%

From 90 to 119	4	20.0%
From 120 to 149	1	5.0%
From 150 to 179	0	0.0%
180 and more	1	5.0%
<b>Total</b>	<b>20</b>	<b>100.0%</b>



**16- In case of option 2 and 3, what is your needed time in France between crossborder nominations and nomination of production to the TSO (in minutes)?**

	Nb	% cit.
30	6	30.0%
45	2	10.0%
60	12	60.0%
<b>Total</b>	<b>20</b>	<b>100.0%</b>



**17- In case of option 2 and 3, what is your needed time in France between power exchange results publication and crossborder nominations (in minutes)?**

	Nb	% cit.
15	1	4.5%
30	21	95.5%
<b>Total</b>	<b>22</b>	<b>100.0%</b>



**18- In case of option 2 and 3, what is your needed time in Belgium between power exchange results publication and crossborder nominations (in minutes)?**

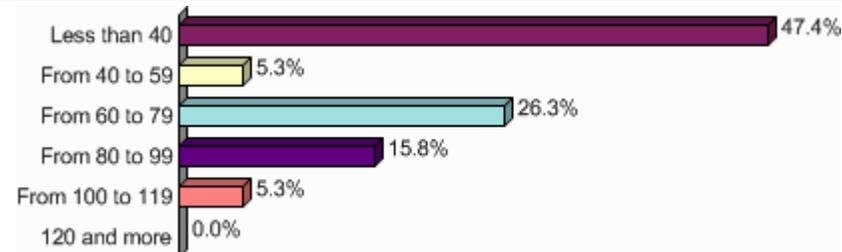
	Nb	% cit.
15	2	11.1%
30	16	88.9%
<b>Total</b>	<b>18</b>	<b>100.0%</b>



**19- In case of option 2 and 3, what is your needed time in Germany between power exchange results publication and crossborder nominations (in minutes)?**

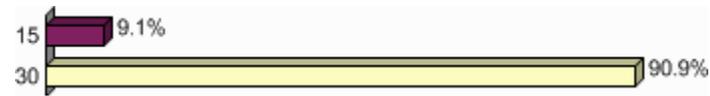
Mean = 51.32  
Min = 20 Max = 110

	Nb	% cit.
Less than 40	9	47.4%
From 40 to 59	1	5.3%
From 60 to 79	5	26.3%
From 80 to 99	3	15.8%
From 100 to 119	1	5.3%
120 and more	0	0.0%
<b>Total</b>	<b>19</b>	<b>100.0%</b>



**20- In case of option 2 and 3, what is your needed time in The Netherlands between power exchange results publication and crossborder nominations (in minutes)?**

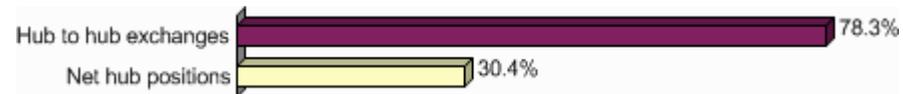
	Nb	% cit.
15	2	9.1%
30	20	90.9%
<b>Total</b>	<b>22</b>	<b>100.0%</b>



## Flow-Based Model and Data publication

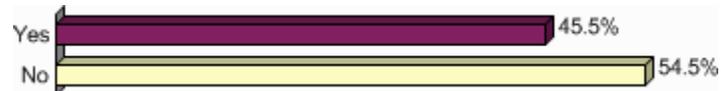
### 1- In the simulation worksheet, what would you prefer to enter?

	Nb	% obs.
Hub to hub exchanges	18	78.3%
Net hub positions	7	30.4%
<b>Total</b>	<b>23</b>	



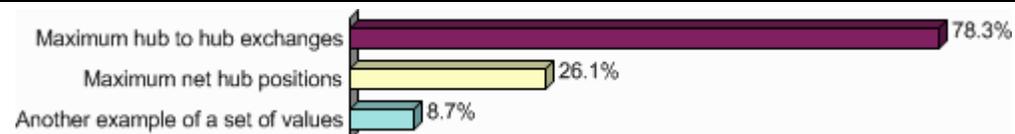
### 2-Do you need other data than the ones presented?

	Nb	% cit.
Yes	10	45.5%
No	12	54.5%
<b>Total</b>	<b>22</b>	<b>100.0%</b>



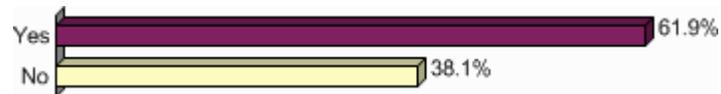
### 3-What would be your preferred indicator to visualize network limitations?

	Nb	% obs.
Maximum hub to hub exchanges	18	78.3%
Maximum net hub positions	6	26.1%
Another example of a set of values	2	8.7%
<b>Total</b>	<b>23</b>	



4-Do you need other network data than the ones presented?

	Nb	% cit.
Yes	13	61.9%
No	8	38.1%
<b>Total</b>	<b>21</b>	<b>100.0%</b>



5-Would you prefer to have network information published on a common website managed by the TSOs?

	Nb	% cit.
Yes	23	100.0%
No	0	0.0%
No opinion	0	0.0%
<b>Total</b>	<b>23</b>	<b>100.0%</b>



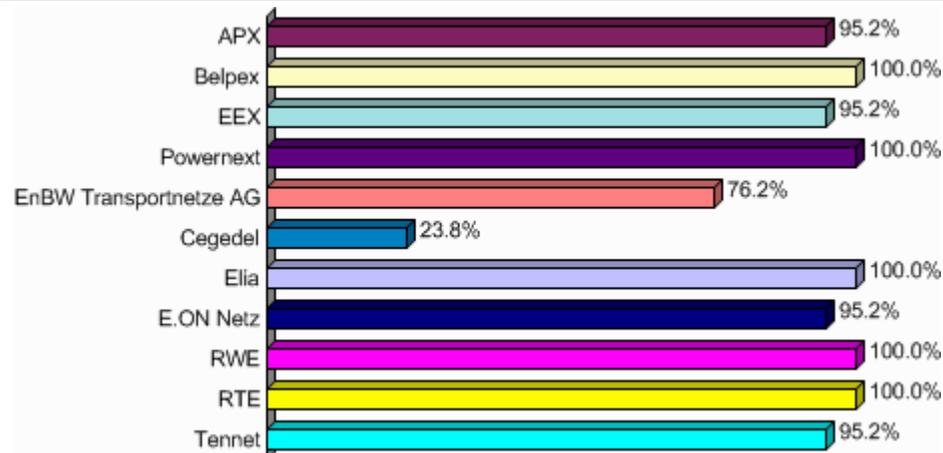
## 4-Respondents that are either Elia customer or Belpex member

### General

3-You are a customer of...

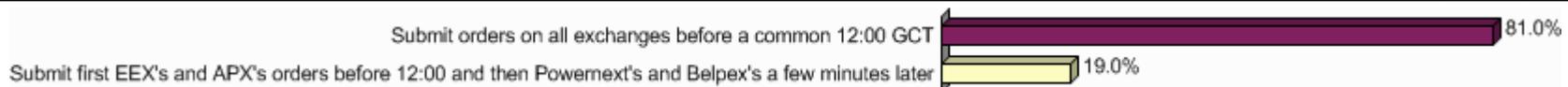
	Nb	% obs.
APX	20	95.2%
Belpex	21	100.0%
EEX	20	95.2%
Powernext	21	100.0%
EnBW Transportnetze AG	16	76.2%
Cegedel	5	23.8%
Elia	21	100.0%

E.ON Netz	20	95.2%
RWE	21	100.0%
RTE	21	100.0%
Tennet	20	95.2%
<b>Total</b>	<b>21</b>	



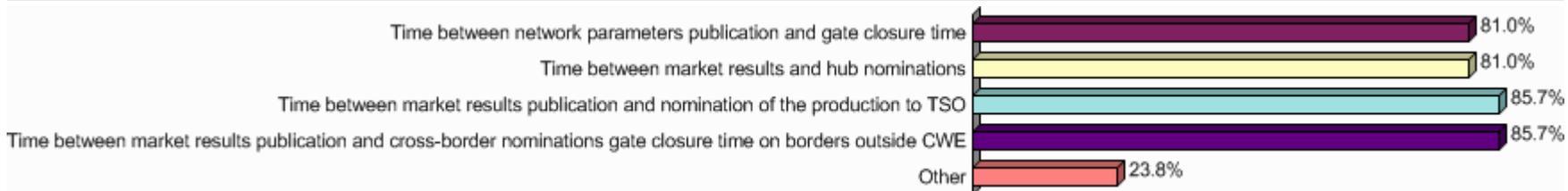
## Daily Schedule and Market Timings

1-Since currently, Powernext and Belpex do not have interregional coupling (NordNed, EMCC), which option is preferable?		
	Nb	% cit.
Submit orders on all exchanges before a common 12:00 GCT	17	81.0%
Submit first EEX's and APX's orders before 12:00 and then Powernext's and Belpex's a few minutes later	4	19.0%
<b>Total</b>	<b>21</b>	<b>100.0%</b>



2-What time interval is the most constraining for you (1 being the most constraining)?			
	Nb	% obs.	Imp.

Time between market results and hub nominations	17	81.0%	3.21
Time between market results publication and nomination of the production to TSO	18	85.7%	3.21
Time between market results publication and cross-border nominations gate closure time on borders outside CWE	18	85.7%	3.37
Other	5	23.8%	0.68
<b>Total</b>	<b>21</b>		



### 3-What is your needed time between network parameters publication and gate closure time (in minutes)?

	Nb	% cit.
45	1	4.8%
60	2	9.5%
75	3	14.3%
90	15	71.4%
<b>Total</b>	<b>21</b>	<b>100.0%</b>



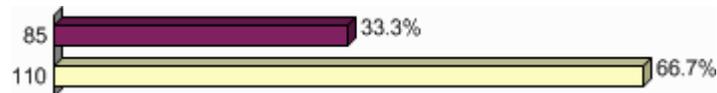
### 4- What is your needed time between market results publication and hub nominations in Belgium (in minutes)?

	Nb	% cit.
30	1	4.8%
45	3	14.3%
60	17	81.0%
<b>Total</b>	<b>21</b>	<b>100.0%</b>



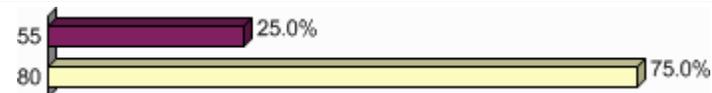
**5- What is your needed time between market results publication and hub nominations in Germany (in minutes)?**

	Nb	% cit.
85	7	33.3%
110	14	66.7%
<b>Total</b>	<b>21</b>	<b>100.0%</b>



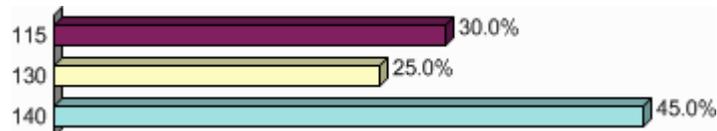
**6- What is your needed time between market results publication and hub nominations in The Netherlands (in minutes)?**

	Nb	% cit.
55	5	25.0%
80	15	75.0%
<b>Total</b>	<b>20</b>	<b>100.0%</b>



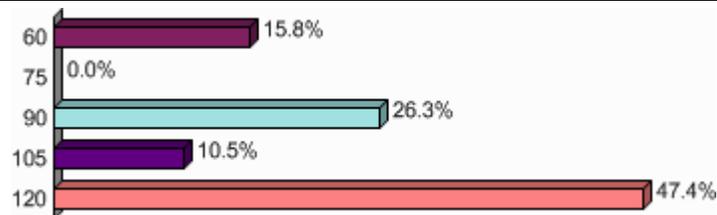
**7- What is your needed time between market results publication and nomination of production to TSO given the new generation schedules deadlines in France (in minutes)?**

	Nb	% cit.
115	6	30.0%
130	5	25.0%
140	9	45.0%
<b>Total</b>	<b>20</b>	<b>100.0%</b>



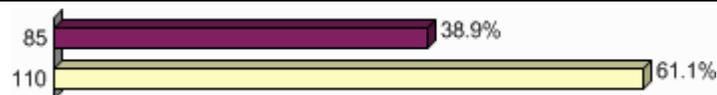
**8- What is your needed time between market results publication and nomination of production to TSO given the new generation schedules deadlines in Belgium (in minutes)?**

	Nb	% cit.
60	3	15.8%
75	0	0.0%
90	5	26.3%
105	2	10.5%
120	9	47.4%
<b>Total</b>	<b>19</b>	<b>100.0%</b>



**9- What is your needed time between market results publication and nomination of production to TSO given the new generation schedules deadlines Germany (in minutes)?**

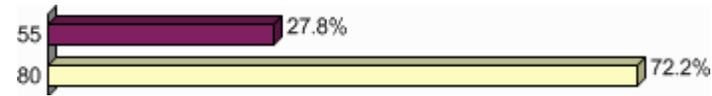
	Nb	% cit.
85	7	38.9%
110	11	61.1%
<b>Total</b>	<b>18</b>	<b>100.0%</b>



**10- What is your needed time between market results publication and nomination of production to TSO given the new generation schedules deadlines The Netherlands (in minutes)?**

	Nb	% cit.
--	----	--------

55	5	27.8%
80	13	72.2%
<b>Total</b>	<b>18</b>	<b>100.0%</b>



## Fall Back Solutions

1- In case of fallback situation, how would you rank the following requirements (1 being the most important)?			
	Nb	% obs.	Imp.
Allowing updates of orders	20	95.2%	5.00
Allowing usage of daily crossborder capacity	20	95.2%	4.95
Simplicity of the fallback process	20	95.2%	4.95
Daily schedule compatibility	19	90.5%	3.70
Not delaying CWE project planning	18	85.7%	2.25

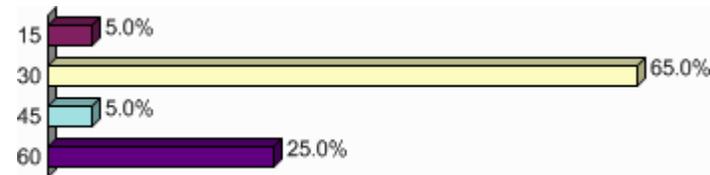
Market-based solution	19	90.5%	4.65
<b>Total</b>	<b>21</b>		



2- Is option 1 acceptable regarding the risk of being unbalanced in day-ahead?		
	Nb	% cit.
Yes	5	23.8%
No	16	76.2%
<b>Total</b>	<b>21</b>	<b>100.0%</b>



3- As far as option 1 is concerned, what time do you need to update your orders in the order books (in minutes)?		
	Nb	% cit.
15	1	5.0%
30	13	65.0%
45	1	5.0%
60	5	25.0%
<b>Total</b>	<b>20</b>	<b>100.0%</b>



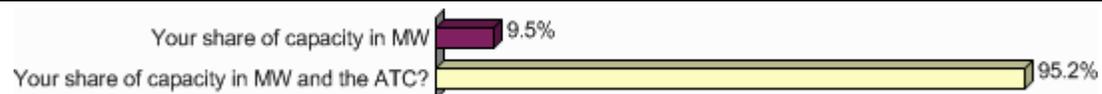
**4-As far as option 2 is concerned, how often should the participants of the fallback mechanism have the possibility to register?**

	Nb	% cit.
Once at all	9	42.9%
Once a year	5	23.8%
Once a month	7	33.3%
<b>Total</b>	<b>21</b>	<b>100.0%</b>



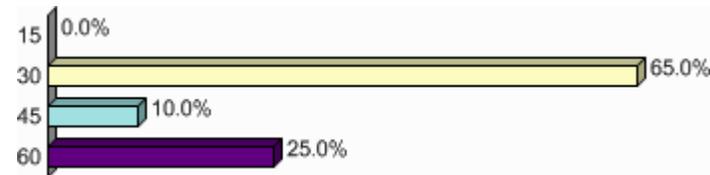
**5- In case of option 2, do you need to know :**

	Nb	% obs.
Your share of capacity in MW	2	9.5%
Your share of capacity in MW and the ATC?	20	95.2%
<b>Total</b>	<b>21</b>	



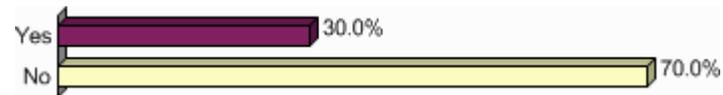
**6- In case of option 2, what time do you need to update your orders in the order book once you know the capacity you have (in minutes)?**

	Nb	% cit.
15	0	0.0%
30	13	65.0%
45	2	10.0%
60	5	25.0%
<b>Total</b>	<b>20</b>	<b>100.0%</b>



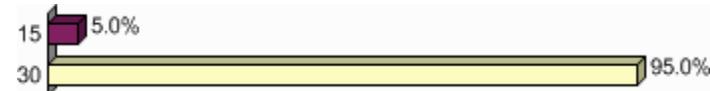
**7- Knowing that fallbacks are very rare, would option 2 be acceptable even if it is not market-based?**

	Nb	% cit.
Yes	6	30.0%
No	14	70.0%
<b>Total</b>	<b>20</b>	<b>100.0%</b>



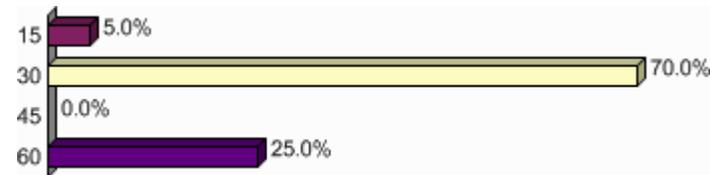
**8-As far as option 3 is concerned, what is your minimum needed time between the publication of ATC auction specification and auction start (in minutes)?**

	Nb	% cit.
15	1	5.0%
30	19	95.0%
<b>Total</b>	<b>20</b>	<b>100.0%</b>



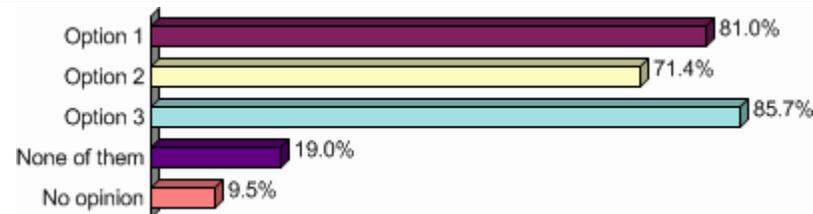
**9- In case of option 3, what time do you need to update your orders in the order book once you know the capacity you have (in minutes)?**

	Nb	% cit.
15	1	5.0%
30	14	70.0%
45	0	0.0%
60	5	25.0%
<b>Total</b>	<b>20</b>	<b>100.0%</b>



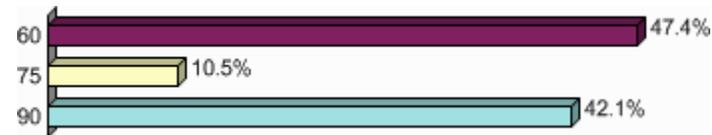
**10-How would you rank those three options (1 being the most acceptable for you)?**

	Nb	% obs.	Imp.
Option 1	17	81.0%	3.10
Option 2	15	71.4%	2.90
Option 3	18	85.7%	4.05
None of them	4	19.0%	0.65
No opinion	2	9.5%	0.15
<b>Total</b>	<b>21</b>		



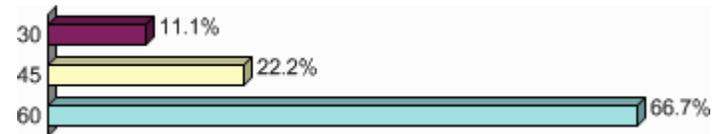
**12- In case of fallback, what is your needed time between market results publication and nomination of production to the TSO in France (in minutes)?**

	Nb	% cit.
60	9	47.4%
75	2	10.5%
90	8	42.1%
<b>Total</b>	<b>19</b>	<b>100.0%</b>



**13- In case of fallback, what is your needed time between market results publications and nomination of production to the TSO in Belgium (in minutes)?**

	Nb	% cit.
30	2	11.1%
45	4	22.2%
60	12	66.7%
<b>Total</b>	<b>18</b>	<b>100.0%</b>

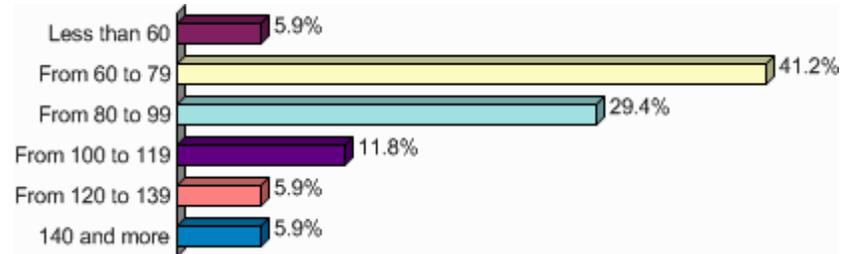


**14- In case of fallback, what is your needed time between market results publication and nomination of production to the TSO in Germany (in minutes)?**

Mean = 85.29  
 Min = 45 Max = 180

	Nb	% cit.
Less than 60	1	5.9%
From 60 to 79	7	41.2%

From 80 to 99	5	29.4%
From 100 to 119	2	11.8%
From 120 to 139	1	5.9%
140 and more	1	5.9%
<b>Total</b>	<b>17</b>	<b>100.0%</b>



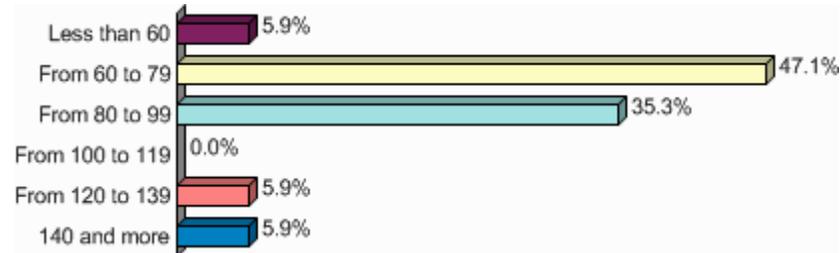
**15- In case of fallback, what is your needed time between market results publication and nomination of production to the TSO in The Netherlands (in minutes)?**

Mean = **79.12**

Min = **45** Max = **180**

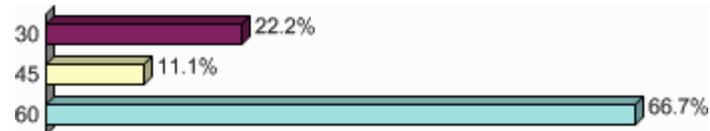
	Nb	% cit.
Less than 60	1	5.9%
From 60 to 79	8	47.1%

From 80 to 99	6	35.3%
From 100 to 119	0	0.0%
From 120 to 139	1	5.9%
140 and more	1	5.9%
<b>Total</b>	<b>17</b>	<b>100.0%</b>



**16- In case of option 2 and 3, what is your needed time in France between crossborder nominations and nomination of production to the TSO (in minutes)?**

	Nb	% cit.
30	4	22.2%
45	2	11.1%
60	12	66.7%
<b>Total</b>	<b>18</b>	<b>100.0%</b>



**17- In case of option 2 and 3, what is your needed time in France between power exchange results publication and crossborder nominations (in minutes)?**

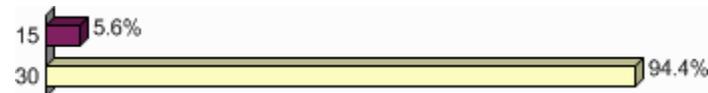
	Nb	% cit.
15	0	0.0%
30	20	100.0%

<b>Total</b>	<b>20</b>	<b>100.0%</b>
--------------	-----------	---------------



**18- In case of option 2 and 3, what is your needed time in Belgium between power exchange results publication and crossborder nominations (in minutes)?**

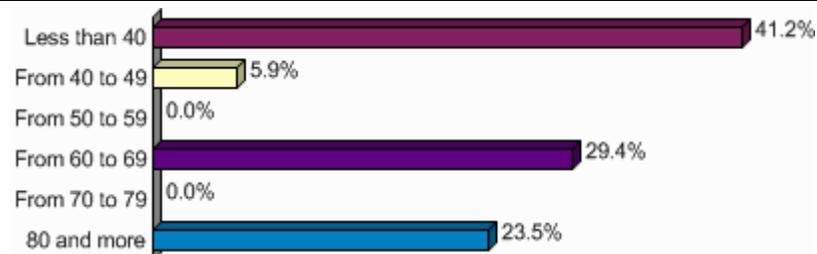
	Nb	% cit.
15	1	5.6%
30	17	94.4%
<b>Total</b>	<b>18</b>	<b>100.0%</b>



**19- In case of option 2 and 3, what is your needed time in Germany between power exchange results publication and crossborder nominations (in minutes)?**

Mean = 54.41  
Min = 30 Max = 110

	Nb	% cit.
Less than 40	7	41.2%
From 40 to 49	1	5.9%
From 50 to 59	0	0.0%
From 60 to 69	5	29.4%
From 70 to 79	0	0.0%
80 and more	4	23.5%
<b>Total</b>	<b>17</b>	<b>100.0%</b>



**20- In case of option 2 and 3, what is your needed time in The Netherlands between power exchange results publication and crossborder nominations (in minutes)?**

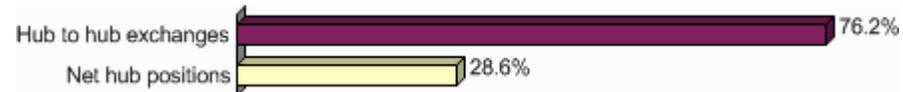
	Nb	% cit.
15	0	0.0%
30	19	100.0%
<b>Total</b>	<b>19</b>	<b>100.0%</b>



## Flow-Based Model and Data publication

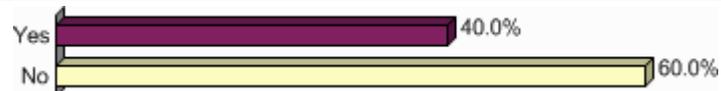
### 1- In the simulation worksheet, what would you prefer to enter ?

	Nb	% obs.
Hub to hub exchanges	16	76.2%
Net hub positions	6	28.6%
<b>Total</b>	<b>21</b>	



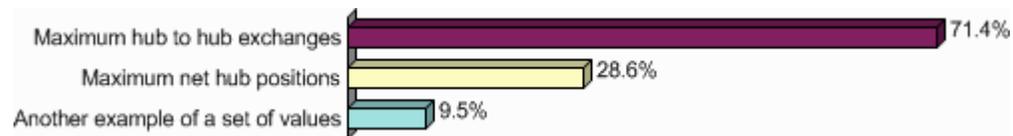
### 2-Do you need other data than the ones presented?

	Nb	% cit.
Yes	8	40.0%
No	12	60.0%
<b>Total</b>	<b>20</b>	<b>100.0%</b>

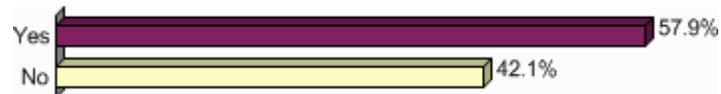


### 3-What would be your preferred indicator to visualize network limitations?

	Nb	% obs.
Maximum hub to hub exchanges	15	71.4%
Maximum net hub positions	6	28.6%
Another example of a set of values	2	9.5%
<b>Total</b>	<b>21</b>	



4-Do you need other network data than the ones presented?		
	Nb	% cit.
Yes	11	57.9%
No	8	42.1%
<b>Total</b>	<b>19</b>	<b>100.0%</b>



5-Would you prefer to have network information published on a common website managed by the TSOs?		
	Nb	% cit.
Yes	21	100.0%
No	0	0.0%
No opinion	0	0.0%
<b>Total</b>	<b>21</b>	<b>100.0%</b>

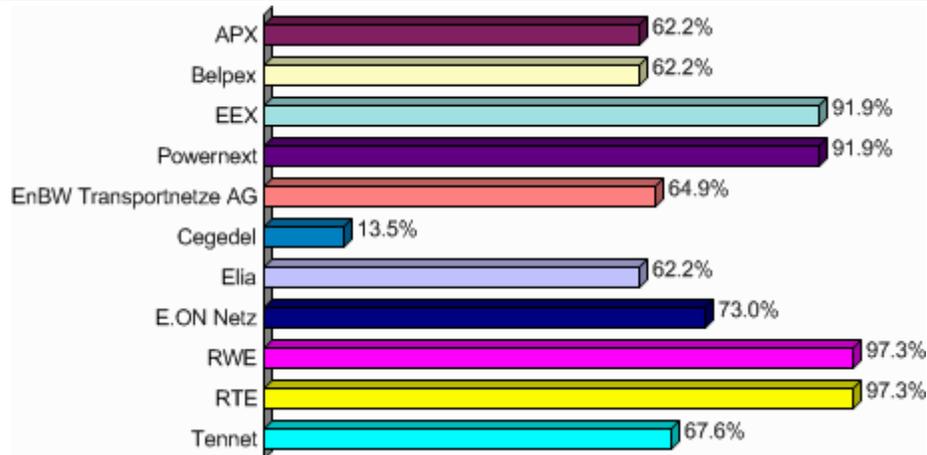


## 5-Respondents that are either EnBW Transportnetze, E.On Netz, RWE customer or EEX member

### General

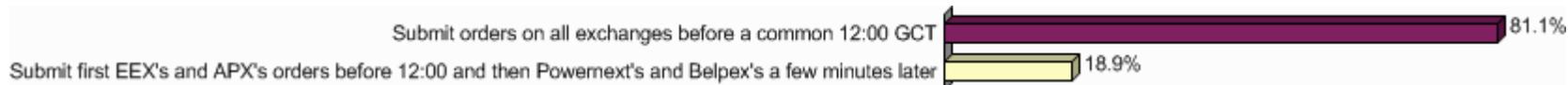
3-You are a customer of...		
	Nb	% obs.

APX	23	62.2%
Belpex	23	62.2%
EEX	34	91.9%
Powernext	34	91.9%
EnBW Transportnetze AG	24	64.9%
Cegedel	5	13.5%
Elia	23	62.2%
E.ON Netz	27	73.0%
RWE	36	97.3%
RTE	36	97.3%
Tennet	25	67.6%
<b>Total</b>	<b>37</b>	



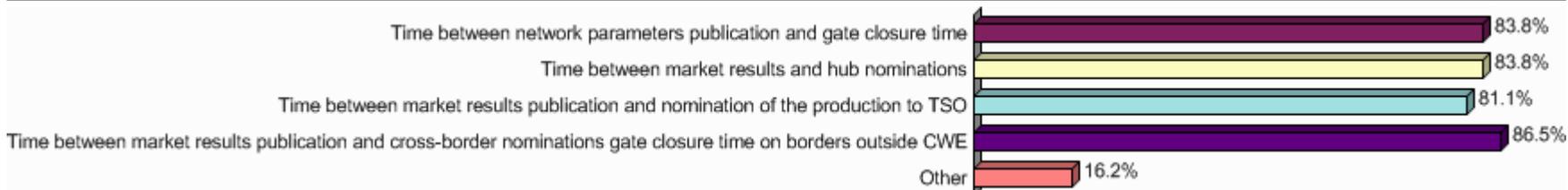
## Daily Schedule and Market Timings

1-Since currently, Powernext and Belpex do not have interregional coupling (NordNed, EMCC), which option is preferable?		
	Nb	% cit.
Submit orders on all exchanges before a common 12:00 GCT	30	81.1%
Submit first EEX's and APX's orders before 12:00 and then Powernext's and Belpex's a few minutes later	7	18.9%
<b>Total</b>	<b>37</b>	<b>100.0%</b>



**2-What time interval is the most constraining for you (1 being the most constraining)?**

	Nb	% obs.	Imp.
Time between network parameters publication and gate closure time	31	83.8%	3.29
Time between market results and hub nominations	31	83.8%	3.20
Time between market results publication and nomination of the production to TSO	30	81.1%	2.74
Time between market results publication and cross-border nominations gate closure time on borders outside CWE	32	86.5%	3.40
Other	6	16.2%	0.40
<b>Total</b>	<b>37</b>		



**3-What is your needed time between network parameters publication and gate closure time (in minutes)?**

	Nb	% cit.
45	4	10.8%
60	8	21.6%
75	4	10.8%
90	21	56.8%
<b>Total</b>	<b>37</b>	<b>100.0%</b>



**4- What is your needed time between market results publication and hub nominations in Belgium (in minutes)?**

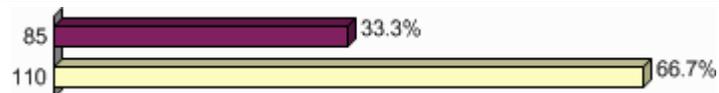
	Nb	% cit.
--	----	--------

30	2	7.4%
45	5	18.5%
60	20	74.1%
<b>Total</b>	<b>27</b>	<b>100.0%</b>



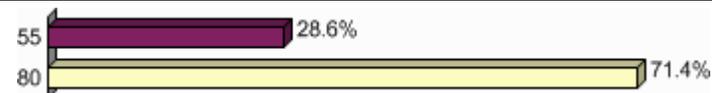
**5- What is your needed time between market results publication and hub nominations in Germany (in minutes)?**

	Nb	% cit.
85	12	33.3%
110	24	66.7%
<b>Total</b>	<b>36</b>	<b>100.0%</b>



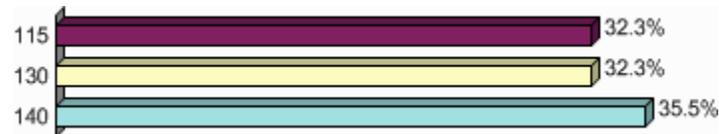
**6- What is your needed time between market results publication and hub nominations in The Netherlands (in minutes)?**

	Nb	% cit.
55	8	28.6%
80	20	71.4%
<b>Total</b>	<b>28</b>	<b>100.0%</b>



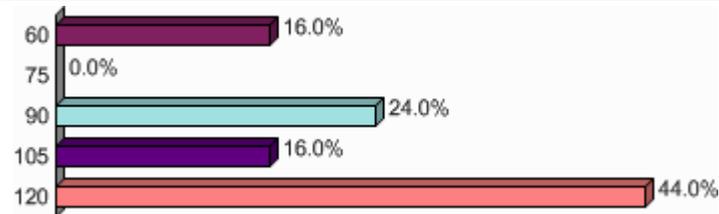
**7- What is your needed time between market results publication and nomination of production to TSO given the new generation schedules deadlines in France (in minutes)?**

	Nb	% cit.
115	10	32.3%
130	10	32.3%
140	11	35.5%
<b>Total</b>	<b>31</b>	<b>100.0%</b>



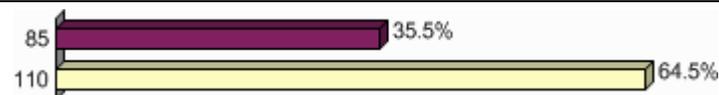
**8- What is your needed time between market results publication and nomination of production to TSO given the new generation schedules deadlines in Belgium (in minutes)?**

	Nb	% cit.
60	4	16.0%
75	0	0.0%
90	6	24.0%
105	4	16.0%
120	11	44.0%
<b>Total</b>	<b>25</b>	<b>100.0%</b>



**9- What is your needed time between market results publication and nomination of production to TSO given the new generation schedules deadlines Germany (in minutes)?**

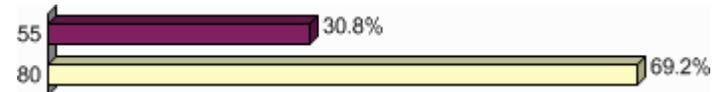
	Nb	% cit.
85	11	35.5%
110	20	64.5%
<b>Total</b>	<b>31</b>	<b>100.0%</b>



**10- What is your needed time between market results publication and nomination of production to TSO given the new generation schedules deadlines The Netherlands (in minutes)?**

	Nb	% cit.
55	8	30.8%

80	18	69.2%
<b>Total</b>	<b>26</b>	<b>100.0%</b>



## Fall Back Solutions

### 1- In case of fallback situation, how would you rank the following requirements (1 being the most important)?

	Nb	% obs.	Imp.
Allowing updates of orders	34	91.9%	4.72
Allowing usage of daily crossborder capacity	33	89.2%	4.50
Simplicity of the fallback process	35	94.6%	4.86
Daily schedule compatibility	32	86.5%	3.78
Not delaying CWE project planning	32	86.5%	1.97
Law compliance	33	89.2%	2.17
Market-based solution	34	91.9%	4.58
<b>Total</b>	<b>37</b>		



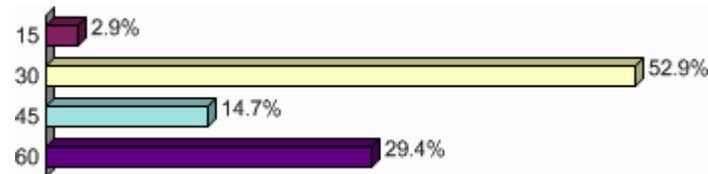
### 2- Is option 1 acceptable regarding the risk of being unbalanced in day-ahead?

	Nb	% cit.
Yes	7	18.9%
No	30	81.1%
<b>Total</b>	<b>37</b>	<b>100.0%</b>



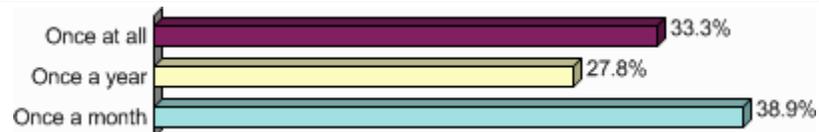
**3- As far as option 1 is concerned, what time do you need to update your orders in the order books (in minutes)?**

	Nb	% cit.
15	1	2.9%
30	18	52.9%
45	5	14.7%
60	10	29.4%
<b>Total</b>	<b>34</b>	<b>100.0%</b>



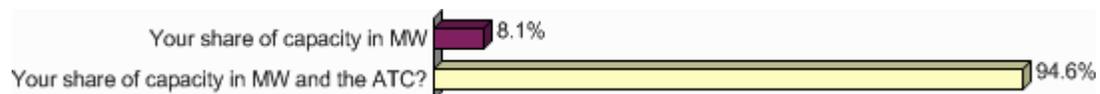
**4-As far as option 2 is concerned, how often should the participants of the fallback mechanism have the possibility to register?**

	Nb	% cit.
Once at all	12	33.3%
Once a year	10	27.8%
Once a month	14	38.9%
<b>Total</b>	<b>36</b>	<b>100.0%</b>



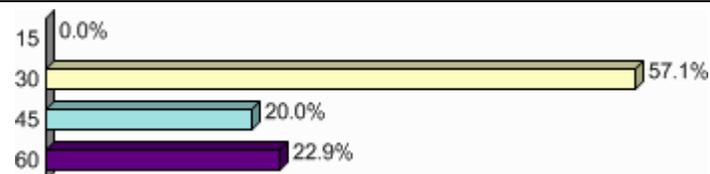
**5- In case of option 2, do you need to know :**

	Nb	% obs.
Your share of capacity in MW	3	8.1%
Your share of capacity in MW and the ATC?	35	94.6%
<b>Total</b>	<b>37</b>	



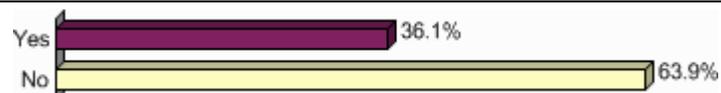
**6- In case of option 2, what time do you need to update your orders in the order book once you know the capacity you have (in minutes)?**

	Nb	% cit.
15	0	0.0%
30	20	57.1%
45	7	20.0%
60	8	22.9%
<b>Total</b>	<b>35</b>	<b>100.0%</b>



**7- Knowing that fallbacks are very rare, would option 2 be acceptable even if it is not market-based?**

	Nb	% cit.
Yes	13	36.1%
No	23	63.9%
<b>Total</b>	<b>36</b>	<b>100.0%</b>



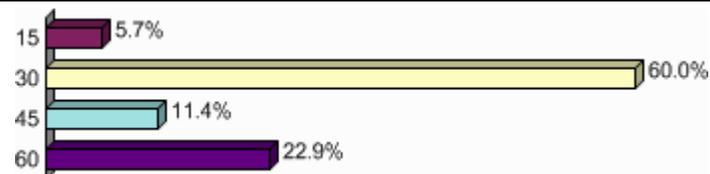
**8-As far as option 3 is concerned, what is your minimum needed time between the publication of ATC auction specification and auction start (in minutes)?**

	Nb	% cit.
15	2	5.6%
30	34	94.4%
<b>Total</b>	<b>36</b>	<b>100.0%</b>



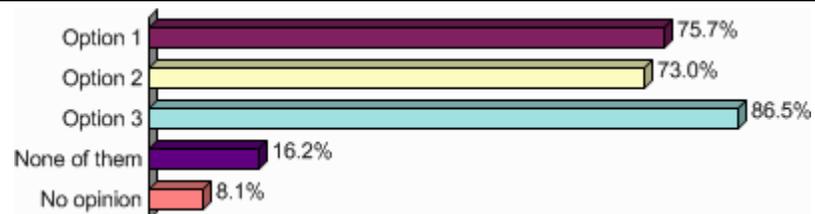
**9- In case of option 3, what time do you need to update your orders in the order book once you know the capacity you have (in minutes)?**

	Nb	% cit.
15	2	5.7%
30	21	60.0%
45	4	11.4%
60	8	22.9%
<b>Total</b>	<b>35</b>	<b>100.0%</b>



**10-How would you rank those three options (1 being the most acceptable for you)?**

	Nb	% obs.	Imp.
Option 1	28	75.7%	2.75
Option 2	27	73.0%	2.97
Option 3	32	86.5%	4.03
None of them	6	16.2%	0.58
No opinion	3	8.1%	0.22
<b>Total</b>	<b>37</b>		



**12- In case of fallback, what is your needed time between market results publication and nomination of production to the TSO in France (in minutes)?**

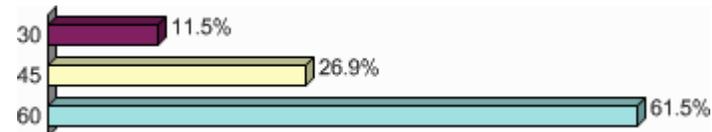
	Nb	% cit.
60	13	40.6%
75	9	28.1%
90	10	31.3%

<b>Total</b>	<b>32</b>	<b>100.0%</b>
--------------	-----------	---------------



**13- In case of fallback, what is your needed time between market results publications and nomination of production to the TSO in Belgium (in minutes)?**

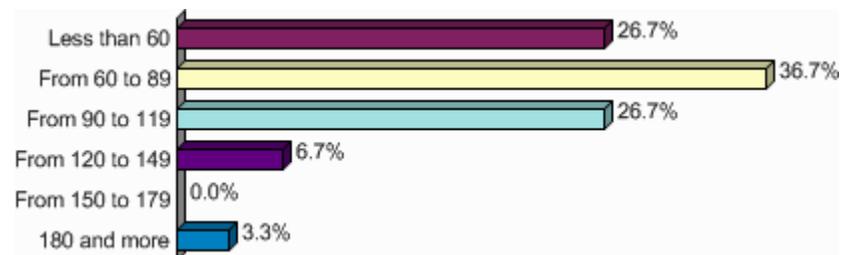
	Nb	% cit.
30	3	11.5%
45	7	26.9%
60	16	61.5%
<b>Total</b>	<b>26</b>	<b>100.0%</b>



**14-In case of fallback, what is your needed time between market results publication and nomination of production to the TSO in Germany (in minutes)?**

Mean = **73.00**  
 Min = **30** Max = **180**

	Nb	% cit.
Less than 60	8	26.7%
From 60 to 89	11	36.7%
From 90 to 119	8	26.7%
From 120 to 149	2	6.7%
From 150 to 179	0	0.0%
180 and more	1	3.3%
<b>Total</b>	<b>30</b>	<b>100.0%</b>

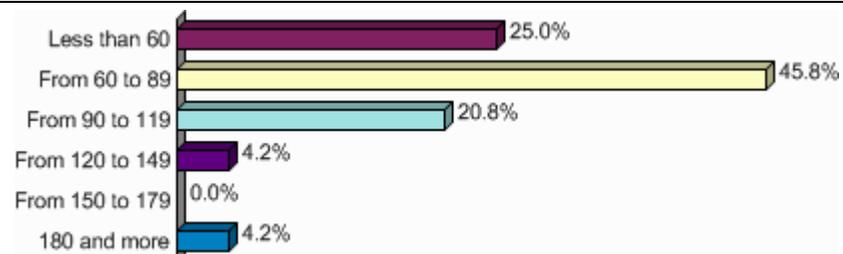


**15- In case of fallback, what is your needed time between market results publication and nomination of production to the TSO in The Netherlands (in minutes)?**

Mean = 69.17

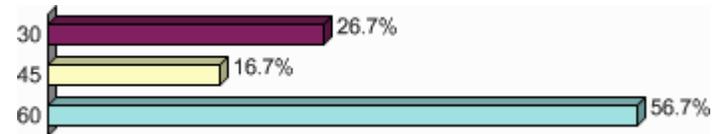
Min = 30 Max = 180

	Nb	% cit.
Less than 60	6	25.0%
From 60 to 89	11	45.8%
From 90 to 119	5	20.8%
From 120 to 149	1	4.2%
From 150 to 179	0	0.0%
180 and more	1	4.2%
<b>Total</b>	<b>24</b>	<b>100.0%</b>



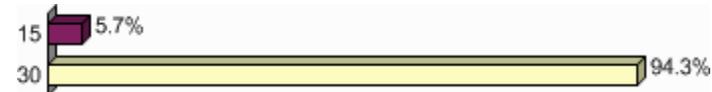
**16- In case of option 2 and 3, what is your needed time in France between crossborder nominations and nomination of production to the TSO (in minutes)?**

	Nb	% cit.
30	8	26.7%
45	5	16.7%
60	17	56.7%
<b>Total</b>	<b>30</b>	<b>100.0%</b>



**17- In case of option 2 and 3, what is your needed time in France between power exchange results publication and crossborder nominations (in minutes)?**

	Nb	% cit.
15	2	5.7%
30	33	94.3%
<b>Total</b>	<b>35</b>	<b>100.0%</b>



**18- In case of option 2 and 3, what is your needed time in Belgium between power exchange results publication and crossborder nominations (in minutes)?**

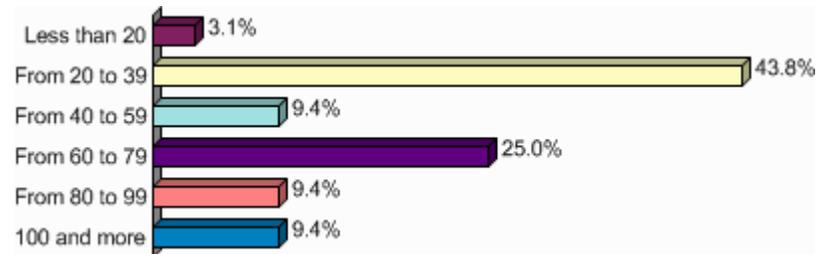
	Nb	% cit.
15	3	11.5%
30	23	88.5%
<b>Total</b>	<b>26</b>	<b>100.0%</b>



**19- In case of option 2 and 3, what is your needed time in Germany between power exchange results publication and crossborder nominations (in minutes)?**

Mean = 51.72  
Min = 15 Max = 120

	Nb	% cit.
Less than 20	1	3.1%
From 20 to 39	14	43.8%
From 40 to 59	3	9.4%
From 60 to 79	8	25.0%
From 80 to 99	3	9.4%
100 and more	3	9.4%
<b>Total</b>	<b>32</b>	<b>100.0%</b>

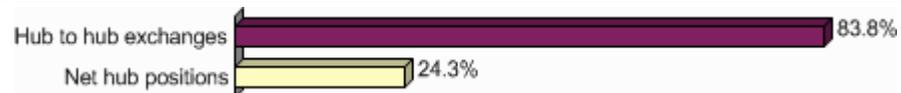


20- In case of option 2 and 3, what is your needed time in The Netherlands between power exchange results publication and crossborder nominations (in minutes)?		
	Nb	% cit.
15	3	10.3%
30	26	89.7%
<b>Total</b>	<b>29</b>	<b>100.0%</b>

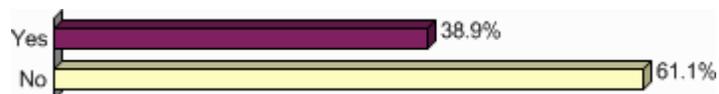


## Flow-Based Model and Data publication

1- In the simulation worksheet, what would you prefer to enter?		
	Nb	% obs.
Hub to hub exchanges	31	83.8%
Net hub positions	9	24.3%
<b>Total</b>	<b>37</b>	

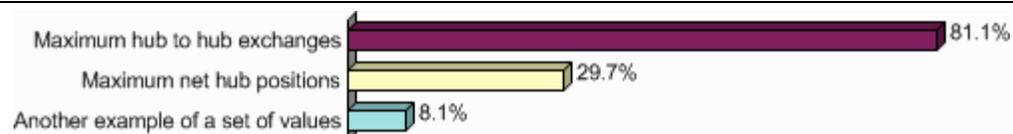


2-Do you need other data than the ones presented?		
	Nb	% cit.
Yes	14	38.9%
No	22	61.1%
<b>Total</b>	<b>36</b>	<b>100.0%</b>



**3-What would be your preferred indicator to visualize network limitations?**

	Nb	% obs.
Maximum hub to hub exchanges	30	81.1%
Maximum net hub positions	11	29.7%
Another example of a set of values	3	8.1%
<b>Total</b>	<b>37</b>	



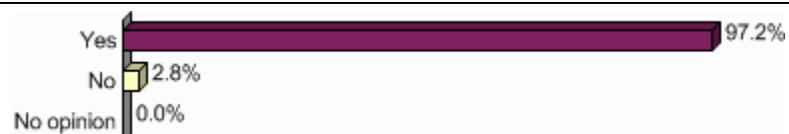
**4-Do you need other network data than the ones presented?**

	Nb	% cit.
Yes	16	45.7%
No	19	54.3%
<b>Total</b>	<b>35</b>	<b>100.0%</b>



**5-Would you prefer to have network information published on a common website managed by the TSOs?**

	Nb	% cit.
Yes	35	97.2%
No	1	2.8%
No opinion	0	0.0%
<b>Total</b>	<b>36</b>	<b>100.0%</b>



## 6 – List of respondents

Danske Commodities A/S  
EDF Belgium s.a.  
ENECO Energy Trade BV  
Statkraft Markets GmbH  
RWE Trading GmbH  
Vattenfall Trading Services  
Nordostschweizerische Kraftwerke AG (NOK)  
EDP S.A.  
e&t Energie Handelsgesellschaft mbH  
J.P. Morgan  
Centrica PLC  
Morgan Stanley  
Edison Trading S.p.A.  
TIWAG-Tiroler Wasserkraft AG  
ENI S.p.A.  
ACCORD ENERGY LTD  
Endesa Trading  
Trafigura Electricity Italia S.p.A (TEI S.p.A)  
RWE Supply & Trading GmbH  
SPE S.A.  
Compagnie Nationale du Rhone  
GAZ DE FRANCE  
UNION FENOSA GENERACION  
Raetia Energie  
EOS  
Total Gas and Power Ltd  
Saen Energy B.V.  
SHELL ENERGY TRADING LTD  
E.ON Energy Trading AG  
POWEO SA  
IBERDROLA GENERACION S.A.U  
EnBW Trading GmbH, Karlsruhe, Germany  
GASELYS  
Nuon Energy Trade  
Essent  
ATEL AG  
Lehman Brothers International (Europe)  
European Federation of Energy Traders - EFET  
ELECTRABEL SA  
EDF Group

