Gas Charging Review



NTSCMF – 23 August 2017

Final slide pack – Update provided on 22 August 2017. All slides added or update are marked with a blue star $\sqrt{2}$

Agenda

Area	Detail
Sub-workgroups	 Output / summary of recent sub groups Interruptible
EU Tariff Code Update	EU Tariff Code Update
Specific Capacity Discounts	Reminder of the outcomes from recent discussions
Non-Transmission Services	 Non-Transmission Services and options for charging arrangements
Action 0707	 Influence on entry vs exit impact in the CWD model of existing contracts
Action 0801	 Analysis of Exit capacity booking and revenue recovered long term and day ahead as an aggregate
Plan and change process	Overview of the future sub groups and NTSCMF meetings and their focus
UNC Modification	Any updates related to UNC 0621
Next Steps	Next Steps

Gas Charging Review



EU Tariff Code – Current Outlook Colin Hamilton



- Second External TAR NC Implementation Workshop has been changed to 5 October.
- Venue is the Diamant Conference Centre it has been renamed to BluePoint Brussels.
- Official notification with details on ENTSOG website is imminent
- Updated IDoc (Implementation Document) now being finalised

ENTSOG 2nd TAR NC Implementation Workshop

- Draft agenda compiled on the basis of feedback received at the 1st Implementation Workshop, stakeholder comments and the 2nd application date compliance
- 4 sessions:
 - 1st Session: Transparency
 - 2nd Session: NRA/ACER perspective
 - 3rd Session: Addressing stakeholder concerns
 - 4th Session: Up-coming year/Implementation and Effect Monitoring



Combined ASEP Mod

- Proposed Mod on treatment of capacity at combined ASEPs
 - Mod will consider introduction of different classifications of capacity at ASEPs to allow different charging treatments
 - E.g. "storage capacity", "abandoned capacity"
- Industry Webex 29 August 2017

To receive joining details contact <u>box.transmissioncapacityandcharging@nationalgrid.com</u>

Industry discussion on 7 September (after Trans. WG)

Gas Charging Review



Output from sub workgroups

Gas Charging Review: Output from sub workgroup



One sub group since 02 August NTSCMF

08 August – Interruptible

All documentation and outputs, when updated from the meetings will be available on the NTSCMF pages as part of the meeting material:

http://www.gasgovernance.co.uk/ntscmf and

http://www.gasgovernance.co.uk/ntscmf/subg

And will also be updating the summary documents in the document library

Gas Charging Review: nationalgrid Sub workgroups – Joining and Contributions

- Inputs in advance of the meetings are welcome
 - Questions or comments or any position papers, for example
 - The one-pager documents can also be used to frame the discussions
 <u>http://www.gasgovernance.co.uk/ntscmf/subg1page</u>
- To receive joining instructions for the meetings (or to join a specific sub group on a particular topic) please contact National Grid

box.transmissioncapacityandcharging@nationalgrid.com

Gas Charging Review: Sub-group output summary

- From each of the sub-groups we have produced a set of summary slides which give an overview of what was discussed at the meeting
- These are presented in the relevant parts of the NTSCMF material

Gas Charging Review



Interruptible (08 August) summary and additional supporting information

Gas Charging Review: nationalgrid Interruptible – Background information

- Following the sub group on 8 August some background information was requested
 - Comparison between Entry interruptible and Exit off-peak
 - Proportions of capacity bookings and revenues associated to interruptible / off-peak
 - Links to supporting information
- This is provided in the following slides in addition to the summary of the 8 August discussions

Interruptible : Links to supporting information



Incentive Information Booklet:

http://www2.nationalgrid.com/UK/Industry-information/Gas-system-operatorincentives/Incentives/

Further information on the Gas System Operator Incentive schemes, including past performance is provided on this page

Constraint management webinar:

http://www2.nationalgrid.com/UK/Industry-information/Gas-transmissionoperational-data/Webinars/

National Grid's capacity guide (relevant section of UNC = TPD Section B 2.5.10 and 3.6.2):

http://www2.nationalgrid.com/UK/industry-information/Supporting-information/

TAR Implementation document:

https://www.entsog.eu/public/uploads/files/publications/Tariffs/2017/170322_ENTS OG_TAR%20NC%20IDoc_High-Res.pdf

Comparison of nationalgrid Entry and Exit Interruptible/Off-Peak

Both products	Can be scaled back by National Grid dependent on the ability of the system to provide the capacity on the day in question.									
	Will always be "scaled back" prior to any buyback of firm capacity									
	If there is a requirement to reduce Interr customers will not receive compensation	uptible/Off-Peak capacity the affected า.								
	Primarily an "anti-hoarding" mechanism Hoarding is where a party holds onto ca are prevented from gaining access to the	Primarily an "anti-hoarding" mechanism and is made available via a daily auction. Hoarding is where a party holds onto capacity but does not use it. By doing this others are prevented from gaining access to the market and it is therefore anti-competitive.								
	Entry Interruptible	Exit/Off-Peak								
Release quantity calculations	UIOLI + discretionary	UIOLI + MNEPOR + discretionary								
Shippers	Multiple shippers at each ASEP	Predominately single shipper points								
Recent history of interruption	Some history of scale back in last year	No history of scale back in last year								
Allocation times	DADSEC is allocated at 2pm, 5pm and 1am on D-1 DISEC is allocated at 2pm on D-1	DADNEX is allocated at 3pm on D-1 DISEC is allocated at 3pm on D-1								

Interruptible: Release quantities nationalgrid of Day Ahead Interruptible/Off-Peak

Entry Interruptible

Day Ahead Release calculations

- <u>Unutilised (commonly known ad</u> <u>Use it or Lose it (UIOLI)</u> - based on a rolling quantity of unutilised Firm capacity over the preceding 30 day period (from D-7). Calculated point by point and offered point by point.
- <u>Discretionary</u> National Grid can make additional Interruptible Entry Capacity available to the market at its discretion.

Exit Off-Peak

- <u>Unutilised (commonly known as Use it or Lose</u> <u>it (UIOLI)</u> – based on a rolling quantity of unutilised Firm capacity over the preceding 30 day period (from D-7). Calculated point by point and offered point by point.
- Unutilised Maximum NTS Exit Point Offtake Rate (MNEPOR) – At 13:30 D-1 the NTS Demand Forecast is published for D. Where this demand forecast is less than 80% of the annual peak 1 in 20 peak demand, National Grid is obligated to release any remaining capacity up to the MNEPOR level as Off Peak capacity
- <u>Discretionary</u> National Grid can make additional Off Peak capacity available to the market at its discretion.

Entry Capacity Booked and Revenue for 2015/16



Exit Capacity Booked and Revenue for 2015/16





Interruptible Capacity and revenues

	Summary of current arrangements
ТО	 No interruptible capacity income (Entry), Off-Peak (Exit) is treated as TO revenue
SO	 Interruptible capacity income (Entry), Off-Peak (Exit) comes under the SO umbrella but revenues are redistributed via neutrality National Grid is subject to a Constraint Management Incentive and encompasses both Entry Capacity and Exit Capacity Constraint Management actions. Performance is driven by the difference between the net constraint management costs over a year (i.e. constraint management costs less revenues from the sale of certain capacity products) and a target value for such costs. SO revenue is made up of baseline allowance plus a number of adjustments (e.g. shrinkage, incentives) Through the CM incentive (subject to cap/collar and sharing factor) it adjusts the SO revenue for year t for t-2 performance under the RIIO-T1 price control

Gas Charging Review: Interruptible nationalgrid Objectives – Key questions to address

Suggested questions/areas to address

- What is interruptible / off-peak capacity for? (e.g. anti-hoarding, quick access)
 - Should interruptible / off-peak capacity be priced differently to firm capacity?
 - Differences between Entry Interruptible and Exit off-peak capacity?
- What value is placed on Interruptible / off-peak Capacity?
- Firm Capacity versus Interruptible / off-peak
 - How important is interruptible / off peak capacity and why?
- Measurement against Relevant Objectives, GTCR and Stakeholder Objectives and EU
 - Interruptible under TAR NC Article 16 is IP Specific article
 - Article 14(1)b of Gas Regulation (Regulation (EC) 715/2009)
 - Rationale for treating differently or same across all GB points?
- How to price interruptible?
 - Recognise any approach would still need to be justified against all required objectives / compliance

Gas Charging Review: Interruptible (1)

Question	Some of the views expressed for each question
What is interruptible / off- peak capacity for?	 The topic of backhaul was raised. Whilst not part of this discussion at this stage, acknowledged that backhaul is something that will be considered. There was a discussion on the current status of Interruptible in the context of volumes of capacity sold and the revenue associated to this - National Grid to present some material to highlight this information at future meeting (NTSCMF).
	 In addition to its use as a capacity hoarding mechanism and a method of providing short term access, the use of interruptible as a constraint management tool was discussed and the potential avoidance of NTS reinforcement costs.
	 Some participants proposed that the reserve price of interruptible should be lower than firm, to highlight the risk of the potential to be scaled back. Some suggested risk should be rewarded, depending on the capacity products they purchase. So the higher the risk associated with the capacity, the lower the reserve price.
	 For a comparison between Entry and Exit, there are differences between the rules for how Interruptible (Entry) and Off-Peak (Exit) capacity is released. Request to highlight the differences between Entry and Exit for interruptible - NG to provide some info on this at next available meeting (NTSCMF) Is interruptible useful as a tool if it is not, or less likely, to be used?

Gas Charging Review: Interruptible (2)

Question Some of the views expressed for each question What value is For Entry is there a liquidity point that interruptible contributes toward? Does having placed on interruptible capacity provide for the flowing of marginal sources of gas? Interruptible / off-• By allowing access to the market, if those users are willing to pay the relevant flow based charges, should there be a discounted capacity product? peak Capacity? One participant/attendee highlighted historical data in relation to topic of interruptible e.g. Exit Reform, NERA report 2005. • Relevance to constrained (demand for capacity outstrips supply) market - having an NTS that is not generally considered constrained for capacity - this does not necessarily remove the need for having a capacity product such as that for interruptible capacity • Reference to EU - the Third package about promoting cross border access. Through changes, if making access more expensive would this restrict the flow of gas? • From a market point of view, in some instances, a "fair price" may not be an affordable one. For some a discounted, interruptible product may be a more palatable option over more expensive firm capacity. From a cost / revenue recovery point of view, any discounts or separate charging arrangements does mean that recovery is placed elsewhere • Whilst the Transmission charges shippers will be charged overall will not change (i.e. The total amount of revenue NG will be required to collect), the overall impact of NG's charges remains at between 2 and 3% of the domestic bill.

Gas Charging Review: Interruptible (3)

Question	Some of the views expressed for each question
How to price interruptible?	 Discussion on how revenues flow related to interruptible capacity - NG to present some information to help illustrate this at future meeting (NTSCMF). Impacts on incentives to be understood
Measurement against Relevant	 The incentive is part of RIIO-T1, T2 process about to be discussed in preparation for 2021. Incentives look back too and can therefore reconcile and there are caps and collars within the incentive including sharing factors to manage the incentive.
Objectives, GTCR and	 Reflecting risk associated to the interruption of capacity - if the risk is low then should the price not be closer to that of firm?
Stakeholder Objectives	 If firm was bought in place of interruptible then would this cause any operational issues? Marginal price of providing capacity - this may not be as appropriate with the current
and EU	arrangements, the market environment has changed from the time when current arrangements were implemented - price for interruptible therefore should also be reviewed in light of CTCP policy. Fill codes and proposale to may a to CWP charging for the RPM
	 Consequences of totally firm capacity sales if interruptible was priced such that none was purchased - some concerns raised
	 Different priced capacity products - need leeway to do this for flexibility and not to limit choice
	 Electricity interaction referred to in the RIIO-T2 open letter from Ofgem - should this be considered?
	 If firm and interruptible were the same reserve price - what is the point of pricing all products the same?
	Challenges to Ofgem on how they will assess any proposed change? 22

Gas Charging Review: Interruptible (4)

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Question	Some of the views expressed for each question
Firm Capacity versus Interruptible / off- peak	 Probability of interruption - is this different between. Entry and Exit? There were discussions about if this is easier to predict on Entry and more challenging on Exit (e.g. Due to there being more Exit points than Entry points and the nature of Entry / Exit bookings) Forward looking approach to determine interruptible probabilities may be difficult to do. If looking at current arrangements, especially looking up to a year ahead, probabilities would likely be very low. For pricing then the arrangement should consider how other products are impacted. If more firm is bought would this increase the risk of buy-backs? On the subject of capacity utilisation - with the baselines high, and usage low by comparison then it is unlikely that capacity will be interrupted - then can interruptible be considered a real tool if it is not used? Is there a higher risk for Exit over Entry? And at shared or single user points? If there is no discount then does it work as a firm product? Is it fair to set the reserve price for interruptible the same as the firm reserve price, and pay the same as firm reserve price but with different capacity rights?

Gas Charging Review: Interruptible – General Themes



- Any pricing arrangement should recognise diverse range of NTS Users and the range of capacity products can suit varied requirements, that will include risk appetite and consider how this is reflected for interruptible
- Products and methodology to release interruptible / off peak capacity to remain as per current arrangements
- Entry and Exit can be considered separately re interruptible pricing
- Can have IP and Non IP treatment
- Questions to address for pricing for both Entry interruptible and off peak Exit:
 - What is an appropriate arrangement to price interruptible / off peak relative to firm capacity justified against the required objectives?
 - How to determine the probability of interruption is key. All observations, in addition to that outlined in the TAR NC, should be provided to the group / NG.

Gas Charging Review



Specific Capacity Discounts

Re-cap of general themes from 17 July

Some general themes:

- 50% discount for Transmission Capacity charges for GB storage points Entry and Exit Capacity
- No discount proposed for LNG or Interconnection
- This is not necessarily a final position, and is subject to change to reflect proposals that may get adopted
- Still need to discuss application of revenue recovery "top-up", whether there is any cross over of logic or positions presented related to its application and for Non Transmission
- Security of Supply is explicitly stated on Art 9 (and Recital 4) of the TAR Code. Any decision on a modification should consider how security of supply will be included.

Gas Charging Review



Non-Transmission Services

Gas Charging Review: nationalgrid Non-Transmission Services Charging

- From earlier discussions there was a general view from the subgroup that using a commodity type charge (where a unit value is applied) was a simple, effective approach.
 - Using an aggregated view of flows (demand) would be similar to that used in the methodology in place when calculating commodity charges.
- If a flow based charge were used, there is a question of which flows this would apply to.
- Currently the Non Transmission Services Model available calculates applying to all flows
- We thought it useful to discuss Non Transmission Charging to further the development of a Non Transmission Charging Methodology

Gas Charging Review



Influence on entry vs exit impact in the CWD model of existing contracts (Action 0707)

Gas Charging Review: nationalgrid CWD Calculation – Existing Contracts

- Existing contracts and how they are to be taken into account in any Capacity price calculations are not prescribed in TAR NC
- The method of inclusion in the modelling to date is as per material presented at NTSCMF on 2 August 2017 (replicated here for information in the following slides)

Gas Charging Review: CWD Calculation - simplified



under CWD on Ex ante basis

based charge

Gas Charging Review: nationalgrid Some key steps in CWD Calculations

	Entry Capacity Calculation	Exit Capacity Calculation
Weighted Average Distance (WAD)	(Sumproduct Exit Point FCC x Distance to Entry Point) / Sum Exit Point FCC	(Sumproduct Entry Point FCC [#] x Distance to Exit Point) / Sum Entry Point FCC [#]
Weighted Cost (WC)	Entry Point FCC* x WAD / (Sumproduct Entry Point FCC* x WAD)	Exit Point FCC x WAD / (Sumproduct Exit Point FCC x WAD)
Target Revenue by point (TRP)	Entry Target Revenue x WC	Exit Target Revenue x WC
Reference Price (RefP)	Entry TRP / Entry Point FCC*	Exit TRP / Exit Point FCC

<u>Entry Point FCC: How the current CWD Model is designed:</u> #Entry Point FCC – this is Gross Entry Point FCC (not reduced by Existing Contracts) *Entry Point FCC – this is the Entry Point FCC net of Existing Contract Capacity N.B. Exit Capacity has no Existing Contracts (as per article 35 TAR NC definition)</u>

Gas Charging Review: Entry Calculations under CWD



Gas Charging Review: nationalgrid Exit Calculations under CWD



Gas Charging Review: CWD Calculation Summary

- Under CWD, Entry does influence Exit and vice versa at the Weighted Average Distance (WAD) stage, linked to the FCC levels
- Existing contracts, if netted off FCC will impact Entry Capacity calculations and may impact Exit
 - Level of impact not driving by overall level of FCC but the profile of capacity across the points, so the relative differences between points.
- Overall the FCC number for each has the most influence on its own charges when spreading the target revenue by point over the FCC per point

Gas Charging Review: nationalgrid Accommodating Existing Contracts

- For Entry, the method of incorporating Existing Contracts is not prescribed under TAR NC
- Existing Contracts (ECs) must be taken into account in the overall charging methodology.
 - Net capacity at each point with total entry target revenue net of ECs (as per available Transmission Services CWD Model available)
- A question was asked about the impact of pricing at a gross capacity level
 - Gross capacity at each point and entry target revenue excluding ECs
 - Discussion for potential impacts of such an approch

Gas Charging Review



Analysis of Exit capacity booking and revenue recovered long term and day ahead as an aggregate (Action 0801)

Action 0801

- Action 0801 Analysis of Exit capacity booking and revenue recovered long term and day ahead as an aggregate
- We have expanded this action to:
 - Cover Entry capacity booking and revenue recovered as well as Exit
 - Split capacity and revenue by LT, ST (exc Interruptible) and Interruptible
 - Split by different categorisation of the entry/exit points
- Data provided for 2015/16 financial year

Revenues from commodity & capacity charges – different types of point for ^{national}grid 2015/16 – Entry – data from 02/08 meeting

Entry Capacity and Commodity Revenue collected in 2015/16

Row Labels	Su	um of Capacity	Su	m of TO Commodity	Su	m of SO Commodity
BEACH TERMINAL	£	58,478,503	£	229,107,921	£	89,772,296
INTERCONNECTION POINT	£	5,987,458	£	11,569,941	£	3,533,516
LNG IMPORTATION TERMINAL	£	36,997,418	£	45,324,440	£	15,267,010
ONSHORE FIELD	£	10,850	£	1,859,743	£	638,832
STORAGE SITE	£	12,618,694	£	-	£	-
Grand Total	£	114,092,924	£	287,862,045	£	109,211,655

Total percentage of Entry capacitynationalgridbooked at each different category of point (15/16)

Total percentage of Entry capacity booked at each different category of point



BEACH TERMINAL

- INTERCONNECTION POINT
- LNG IMPORTATION TERMINAL
- ONSHORE FIELD
- STORAGE SITE

Entry Capacity Booked associated nationalgrid with capacity products (15/16)



Total percentage of Entry revenuenationalgridcollected at each different category of point (15/16)

Total percentage of Entry revenue collected at each different category of point



BEACH TERMINAL

- INTERCONNECTION POINT
- LNG IMPORTATION TERMINAL
- ONSHORE FIELD
- STORAGE SITE

Revenue associated with the Entry nationalgrid capacity bookings (15/16)



For Information – Entry Capacity nationalgrid Booked by capacity product (15/16)

	Sum of Long	Sum of Short Term	Sum of	
Row Labels	Term	(exc Interruptible)	Interruptible	Total
BEACH TERMINAL	2,183,520,490	2,415,920,444	2,148,901,853	6,748,342,786
INTERCONNECTION POINT	247,093,060	18,003,166	94,023,997	359,120,223
LNG IMPORTATION TERMINA	L 1,556,302,466	77,344,832	356,045,511	1,989,692,810
ONSHORE FIELD	29,595,436	27,238,163	23,224,122	80,057,720
STORAGE SITE	1,510,219,218	218,475,580	124,208,134	1,852,902,932
Grand Total	5,526,730,669	2,756,982,185	2,746,403,617	11,030,116,471

For Information – Entry Revenue by capacity product (15/16)

	Su	m of Long	Sun	n of Short Term	Sur	n of	- .	
Row Labels	T le	rm	(ex	c Interruptible)	Int	erruptible	lot	al
BEACH TERMINAL	£	57,979,496	£	221,573	£	277,435	£	58,478,503
INTERCONNECTION POINT	£	5,986,465	£	994	£	-	£	5,987,458
LNG IMPORTATION TERMINA	L£	36,997,403	£	15	£	-	£	36,997,418
ONSHORE FIELD	£	10,828	£	22	£	-	£	10,850
STORAGE SITE	£	12,618,249	£	445	£	-	£	12,618,694
Grand Total	£	113,592,441	£	223,048	£	277,435	£	114,092,924

Revenues from commodity & capacity charges – different types of point for 2015/16 – Exit – data from 02/08 meeting

Exit Capacity and Commodity Revenue collected in 2015/16

Row Labels	Sum of Capacity	Sum of TO Commodity	Sum of SO Commodity
DNO	186,440,410	-	-
Industrial	1,408,112	1,656,328	2,781,477
Interconnector	1,773,041	1,778,969	15,162,680
Power Station	19,489,166	15,785,790	29,479,969
Storage	848,413	-	-
LDZ	-	100,977,332	77,623,898
Grand Total	209,959,142	120,198,419	125,048,024

Total percentage of Exit capacitynationalgridbooked at each different category of point (15/16)



Exit Capacity booked (kWh/d) at each nationalgrid different category of point (15/16)



Exit Capacity Bookings associated nationalgrid with the capacity products (15/16)



Total percentage of Exit revenue collected at each different categorisation of point (15/16)





Exit revenue collected at each nationalgrid different categorisation of point (15/16)



Revenue associated with the Exit nationalgrid capacity bookings (15/16)



For Information – Exit Capacity nationalgrid Booked by capacity product (15/16)

	Sum of Long Term	Sum of Short		
Row Labels	Firm	Term Firm	Term Off Peak	Total
DNO	4,298,478,330	5,405	75,785,572	4,374,269,307
INDUSTRIAL	61,693,864	2,055	12,891,676	74,587,595
INTERCONNECTOR	403,725,995	67,632,907	628,884,191	1,100,243,093
POWER STATION	684,764,195	125,433	681,330,437	1,366,220,066
STORAGE SITE	664,975,560	1,166,658	1,029,032,726	1,695,174,944
Grand Total	6,113,637,945	68,932,457	2,427,924,602	8,610,495,005

For Information – Exit Revenue by nationalgrid capacity product (15/16)

	Sum o	f Long Term	Sur	n of Short				
Row Labels	Firm		Ter	m Firm	Ter	m Off Peak	Tota	I
DNO	£	186,440,404	£	6	£	-	£	186,440,410
INDUSTRIAL	£	1,408,017	£	95	£	-	£	1,408,112
INTERCONNECTOR	£	1,577,273	£	127,863	£	67,904	£	1,773,041
POWER STATION	£	19,483,779	£	5,386	£	-	£	19,489,166
STORAGE SITE	£	802,936	£	45,033	£	444	£	848,413
Grand Total	£	209,712,410	£	178,384	£	68,349	£	209,959,142



Gas Charging Review



Plan and change process

Gas Charging Review: Topic Development

- The discussion topic timeline was put together to ensure all topics had time against them
 - Discussing at least twice
 - Additional meetings will be added in as needed
- The discussions are facilitated to encourage as many views and positions as possible. This is form part of the evidence and relevant information, that in addition to other inputs, will help inform National Grid and industry on the individual topics and how they work together as part of an overall methodology.
- This will ultimately be useful in helping National Grid to update UNC0621.

Gas Charging Review: nationalgrid Topic Development – Discussion timeline (1/2)

Date	Meeting	Key topic to discuss [#]
30 May 13:00 – 15:00 (complete)	Sub Group	Forecasted Contracted Capacity
5 June (complete)	NTSCMF	 Forecasted Contracted Capacity*
14 June 10:00 – 12:00 (complete)	Sub Group	 Revenue Reconciliation / Recovery (may also include some views on Multipliers)
29 June 10:00 - 12:00 (complete)	Sub Group	Avoiding inefficient bypass of the NTS
7 July (complete)	NTSCMF	 CWD Updated Model Revenue Reconciliation / Recovery* Avoiding inefficient bypass of the NTS*
11 July 13:00 – 15:00 (complete)	Sub Group	Specific Capacity Discounts
17 July (complete)	NTSCMF	 Specific Capacity Discounts* Non-Transmission Services Model*
25 July 13:00 – 15:00 (complete)	Sub group	Multipliers

[#]There may be some occasions where the topic runs over a few meetings, we will revisit the sub-group / NTSCMF meeting topic if this happens.

* These topics will be relaying outputs from the sub-group in addition to further discussion at NTSCMFs

Gas Charging Review: nationalgrid Topic Development – Discussion timeline (2/2)

Date	Meeting	Key topic to discuss [#]
2 August (complete)	NTSCMF	 Multipliers* Avoiding inefficient bypass of the NTS
8 August 13:00 – 15:00 (complete)	Sub Group	Interruptible
23 August	NTSCMF	 Interruptible* Specific Capacity Discounts Non-Tx Services
24 August 10:00 – 12:00	Sub Group	Existing Contracts
31 August 10:00 – 12:00	Sub Group	Revenue Reconciliation/Recovery Mechanisms
5 September	NTSCMF	 Existing Contracts* Revenue Reconciliation/Recovery Mechanisms*
8 September 10:00 – 12:00	Sub Group	Forecasted Contracted Capacity
12 September 10:00 – 12:00	Sub Group	Avoiding inefficient bypass of the NTS
19 September 13:00 – 15:00	Sub Group	Multipliers / Interruptible
26 September	NTSCMF	 Forecasted Contracted Capacity Avoiding inefficient bypass of the NTS Multipliers / Interruptible
28 September 10:00 – 12:00	Sub Group	• To be confirmed 58

Plan and Change process nationalgrid Timeline – options for GB / EU consultations

Previously we have discussed the options of carrying out the GB UNC change process and the required EU consultations (as per TAR NC) either:

In series; or

In parallel

- The recent timelines have been prepared based on a series approach with an interim decision point (post UNC consultation) so only one option was consulted on EU
- For discussion, the following slides show this approach and revisits the opportunities of conducting in parrallel

Plan and Change process Timeline (simplified) – in "series"

	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
	2017	2017	2017	2017	2017	2017	2017	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2019	2019	2019	2019	2019	2019	2019	2019	2019	2019
EU Processes																													
Prepare consultation																													
Consultation																													
Publish responses																													
ACER views																													
NRA to make final decision																													
UNC Processes																													
Analysis - Options development via NTSCMF																													
Draft UNC Modification Discussions																													
Initial UNC Modification raised (including																													
Panel)																													
Workgroups (NTSCMF/Sub Groups) for																													
further analysis, development, potential																													
refinement																													
Workgroup Report																													
UNC Consultation																													
Final Mod Report / Referral to Ofgem																													
Ofgem decision (For GB)																									5				5
Incorporate any ACER related changes																													
Workgroup for any ACER related changes /																						EU	Com	oliance	•		Price	es to b	e T
impact on UNC Modification																						to	be co	mplet	e		impa	acted	
Ofgem decision (For GB including EU)																						by	end c	of May			from	n Octo	ber
																						20	19				2019	9	
Licence changes (TBC)																							1						
Review and assess Licence impacts																													
Additional assessment (e.g. Impact																													
Assessment) (TBC)																													
Review and provide analysis for Impact																													
Assessment																													
																												D	J

Plan and Change process Timeline (simplified) – in "parallel"

	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Ma	r Ap	r M	ay	Jun	Jul	Aug	Sep	Oct
	2017	2017	2017	2017	2017	2017	2017	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2018	2019	2019	201	9 201	.9 20	19 2	2019	2019	2019	2019	2019
EU Processes																														
Prepare consultation (use of UNC0621																														
Workgroup report)																														
Consultation																														
Publish responses																														
ACER views																														
NRA to make motivated decision																														
UNC Processes									Consu	Itation e same	could																			
									inform	nation (i	.e.the																			
Analysis - Options development via NTSCMF									outpu	t from																				
Draft UNC Modification Discussions									workg	roup re	port).																			
Initial UNC Modification raised (including												Ī																		
Panel)																														
Workgroups (NTSCMF/Sub Groups) for																														
further analysis, development, potential																														
refinement																														
Workgroup Report																														
UNC Consultation																									$\overline{1}$	Ļ			₹	5
Incorporate any ACER related changes																							1)	
Workgroup for any ACER related changes /																						EL	J Con	nplia	nce			Price	s to b	e T
impact on UNC Modification																						to	be c	ompl	lete			impa	cted	
Ofgem decision (For GB including EU)																						by	/ end	of N	lay			from	Octo	ber
																						20)19					2019		Π
Licence changes (TBC)																							1							
Review and assess Licence impacts																														
Additional assessment (e.g. Impact																														
Assessment) (TBC)																														
Review and provide analysis for Impact																														
Assessment																														



Gas Charging Review



UNC Modification

Gas Charging Review: nationalgrid UNC 0621 Modification – relevant updates

UNC 0621 Modification was sent to Panel on 2 June

Voted to go to workgroup for development and back to Panel for January 2018

Twice monthly NTSCMFs, twice monthly Sub Groups

As progress is made through the workgroups and sub groups UNC 0621 will be updated accordingly at the appropriate time



Gas Charging Review



Next Steps

Next Steps

- Sub Groups as per timetable
- Next NTSCMF on 05 September

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