Minutes

Meeting name	Grid Code Review Panel
Meeting number	80
Date of meeting	20 July 2016
Time	10:00am – 3:00pm
Location	National Grid House, Warwick.

Attendees

Name	Role	Initials	Company
Rob Wilson	Chair	RW	National Grid
Ryan Place	Code Administrator	RP	National Grid
Gurpal Singh	Authority Representative	GS	Ofgem
Andy Vaudin	Large Generator (>3GW) Member	AV	EDF Energy
Campbell McDonald	Large Generator (>3GW) Member	CMD	SSE
Guy Phillips	Large Generator (>3GW) Member	GP	Uniper
Philip Jenner	Large Generator (<3GW) Member	PJ	Horizon Nuclear Power
Guy Nicholson	Generators with Novel Units Member	GN	Element Power
Tom McCartan	Externally Interconnected System Operators Member	TM	SONI
Alan Creighton	Network Operator (E&W) Member	AC	Northern Powergrid
Steve Cox	Network Operator (E&W) Member	SC	ENW
Kate Dooley	Generator (Small and/or Medium) Main	KD	Energy UK
Nick Rubin	BSC Panel Member	NR	ELEXON
Tim Truscott	NGET Member	TKT	National Grid
Le Fu	NGET Member	LF	National Grid
Richard Woodward	NGET Member	RJW	National Grid
Xiaoyao Zhou	NGET Member	XZ	National Grid
Presenters			
Antonio Del Castillo	NGET Presenter	ADC	National Grid
Franklin Roderick	Guest Presenter	FR	National Grid
Mark Krajniewski	Guest Presenter	MK	National Grid
Alternates			
Alastair Frew	Large Generator (>3GW) Alternate	AF	Scottish Power
John Norbury	Large Generator (>3GW) Alternate	JN	RWE
Observer			
Ellen Bishop	Observer	EB	National Grid

Apologies

Name	Role	Initials	Company
Graham Stein	NGET Member	GS	National Grid
Martin McQueen	Authority Alternate	MMc	Ofgem
Richard Lowe	Transmission Licensee (SHE Transmission) Member	RL	SHE Transmission
Craig McTaggart	Transmission Licensee (SP Transmission) Alternate	CMt	Scottish Power
Graeme Vincent	Transmission Licensee (SP Transmission) Member	GV	Scottish Power
Roddy Wilson	Transmission Licensee (SHE Transmission) Alternate	RoW	SHE Transmission
Gordon Kelly	Network Operator (Scotland) Alternate	GK	Scottish Power
Lisa Water	Generator (Small and/or Medium) Alternate	LW	Waters Wye
Robert Longden	Suppliers	RLo	Cornwall Energy
Sigrid Bolik	Generators with Novel Units Alternate	SB	Senvion

Dave Draper	Large Generator (<3GW) Alternate	DD	Horizon Nuclear Power
Jim Barber	Network Operator (Scotland) Member	JB	SSE

1 Introductions & Apologies

4447. Apologies were received from: RL, CMt, GV, RoW and GK.

4448. An update was provided to the Panel on National Grid's position on Brexit. It was confirmed that implementation of the EU Network Codes will continue unchanged as GB is still currently subject to EU Law and will be until conclusion of any article 50 negotiations; and the requirement for the EU Network Codes is a direct impact of being involved in the Internal Energy Market (IEM).

2 Approval of Minutes

a) May 2016 GCRP Minutes

4449. Comments were received from JN, CMD and GP. The minutes were approved by the Panel once the following amendments have been made.

4450. Minute 4439: CMD raised an inaccuracy, the May minutes need to refer to the potential of 3 BOAs per 5 minutes per BMU, also, a bracket needs adding to clarify that National Grid has indicated this will no longer be the case.

4451. Minute 4430: JN requested that an action be recorded against this item. He added that there is an inaccuracy in BC1 because what is currently written is not reflective of who actually submits interconnector PNs. An action has been added to consider PN submissions in relation to interconnectors and interconnector users.

ACTION – RP to update the website with approved minutes.
ACTION – National Grid to Consider BC1 with regard to Interconnector PNs.

3 Review of Actions

a) Summary of Actions

4452. **Minute 4196 – 4326 + 4382: RES Review.** An update was provided under Agenda item 6b.

4453. **Minutes 4196: 3-4 RES documents still draft.** It was confirmed that National Grid are currently working on finalising the remaining RES documents to take into account some comments from Panel members.

Minute 4318. Power Available. 3 items to still to circulate:

- Copy of Letter from Andrew Ford inviting pilot studies
- Slides presented at May GCRP
- London Array Data from pilot.

4454. **Minute 4352: TSOG Progress.** On the agenda for the meeting.

4455. **Minute 4352:** RJW confirmed that discussion with ELEXON will begin once the EU Network Code GC0048 banding decision has been made.

4456. **GC0068 consequential changes following EBS implementation:** JN felt that in order to implement the requirements from GC0068, EDT* and EDL*, there is likely to be a need for a business group to work in parallel with the IT work as they run hand in hand. CMD added that National Grid need to make sure that in future any sub groups below a main Grid Code workgroup are kept in context to avoid the need to have items under AOB (EBS). NR shared that ELEXON are nervous about whether the full impact of EBS has been considered on other users (business impact rather than IT). NR felt that a question around the governance on changes to EBS needs to be answered as National Grid reps at the latest EBSIT group suggested that the Grid Code would provide the governance for changes to EBS.

4457. ADC confirmed that any changes to EBS or EDT* and EDL* would follow the same governance route that is followed around the RES documents (a Panel consultation). JN felt that EBS needs a final RES document as soon as possible to define the interface for EDT star and EDL star. ADC confirmed this will be the case.

4458. Finally CMD suggested a change to the name of the EBSIT group to something more poignant that will encourage business users (EBS Implementation Group?)

4 New Grid Code Development Issues

a) Project TERRE Implementation

4459. RJW introduced 'TERRE' – the Trans European Replacement Reserves Exchange – which is an early implementation project under the Energy Balancing European Network Code. TERRE is an additional reserve product to the Balancing Mechanism that GB generators (including non-BM) can participate in, providing replacement MWs to TSOs across Europe (not just GB). It currently has a planned implementation date of March 2018. Finally RJW confirmed that it is currently being discussed in Balancing and Settlement Code (BSC) modification P344.

4460. RJW flagged that the reason for the issue paper is to bring the project to the GCRP's attention and noted that there is potential for an impact on the Grid Code, subject to the proposed implementation solution being agreed. ELEXON have also discussed with National Grid that a Grid Code issue may be required sooner rather than later. RJW added that he cannot definitely confirm an impact on the Grid Code, so, it was suggested that the Panel keep an eye on P344, and/or participate if there is individual interest. As/when a cross code impact is identified a new Grid Code issue could then be raised in coordination with P344.

4461. NR added that P344's scope is specifically the trading & settlement aspects of TERRE , rather than the full solution which could impact more than the BSC. The question is how to identify the scope of changes that may be required and the how to progress these changes in a coordinated way. At the moment the BSC modification group is focussed on things which it feels are within the scope of the BSC, so it feels right that members of the group and the Code Administrator should flag the risk in order to understand how the project may impact other codes. NR also wanted to remind the Panel that Ofgem have requested that Code Administrators have agreed joint working practices that are intended to deal with cross code changes.

4462. RJW explained that part of the reason he was suggested to currently hold off from convening a Grid Code Workgroup is because of the precedent being set by the EU Connection Codes. Currently the work on these is being led by the Grid Code and D-Code. If impacts on other codes such as CUSC, STC, SQSS were anticipated, then this was flagged early to the relevant Panels, and that the existing workgroups would progress the work until a definite impact had been identified. This would then be flagged for a formal modification, and the Grid Code workgroup could support any consequential work if needed. If a potentially impacted Code Panel felt there was a requirement to raise a Workgroup sooner, they were able to do this. This hadn't been taken up however.

4463. NR highlighted the BM as the potential template for how TERRE could be dispatched, hence a more defined Grid Code impact. RJW reiterated though that until there was a solution we couldn't be sure, especially if the integrity of BM process was to be maintained and we simply add in an extra paragraph that BM submissions 'may' be converted for use in TERRE. AV added that a colleague was represented on P344, who had advised that the potential for Grid Code modification had been discussed, but no specific issues had yet been identified.

4464. AF asked if the P344 Workgroup have asked for Grid Code support. RJW confirmed that National Grid's TSO obligation is to ensure GB is ready to implement TERRE at go-live (and so is compliant with the Balancing Code). As proposer for P344 we have raised the issue under the BSC, but we the priority is a compliant solution which works for both BM and non-BM parties. Some solutions could have an impact on the Grid Code however this is not certain. A 'straw-man' process is being formulated referring to current Grid Code processes

for the BM. This was no certainty TERRE would change these to any extent. AF asked for clarity that they are not looking to implement a European wide dispatch system; rather P344 is making changes in order to communicate with the European wide system. RJW confirmed this is the case, adding that the GB TSO will dispatch GB TERRE providers even if their reserve capacity is being utilised by another EU TSO.

4465. JN felt that it would be sensible to discuss this project in line with the XBID issue that was raised at the GCDF, given it may alter gate closure timings and user submissions such as PN and MEL. RJW added the he felt the XBID project also had no precise Grid Code impact, but that both had potential to progress with changes needed. JN reiterated his view that this is why it is important to ensure that the interconnector PN issue is resolved first. (please refer to action in section 2).

4466. RJW stated in conclusion it needs to be acknowledged that there is not a co-ordinated implementation strategy for the Balancing Code/TERREas is seen under CACM and other EU Connection codes etc. Whilst RJW's preference was for P344 to progress its work further, then raise a Grid Code Workgroup if needed, the other option was to form a Project TERRE implementation group outside Code Governance, then progress code mods under BSC and Grid Code once a solution was agreed.

4467. NR added that without Grid Code expertise providing input into a P344 solution, a decision may be made that would be different from what would have been decided if it has Grid Code expertise. CMD reflected that the Grid Code Panel is represented at P344 through National Grid and the Code Administrator so that should continue until something clear on the impacts on the Grid Code come out of P344

4468. JN commented that you need to know what physically is going to happen regarding power flows before considering the Grid Code impact etc. NR added that the BSC receives outputs from the Balancing Mechanism, so, the BSC can identify how the settlement will work but not necessarily discuss the inputs required from National Grid or other parties.

4469. To come to a conclusion RJW presented 3 options: 1) allow P344 to progress, 2) establish a Grid Code Workgroup in parallel with P344 or finally, 3) Stop P344 and raise a joint implementation sub-group (potentially outside Code Governance) that looks at the implementation of TERRE more comprehensively than a BSC or Grid Code workgroup could.

4470. The Panel confirmed that they wished to raise an issue number for TERRE to ensure a watching brief at GCRP, but members unanimously agreed that there was not an urgent need to raise a Grid Code Workgroup until P344 had progressed further.

4471. Finally AF added that this could potentially impact the SQSS as well as the Distribution Code, which RJW noted and would flag to P344.

b) Emergency Disconnection of Embedded Generation

4472. MK presented to the Panel the background to the Emergency Disconnection of Embedded Generation issue.

4473. CMD felt in order to raise a Workgroup there needs to be consistency in what is in the Balancing Mechanism across GB, under the proposal you cannot have a fair merit order when National Grid can control a plant that is 10MW or above in Scotland, whilst in England & Wales it is above 100MW. In order to have a fair process there needs to be a clear understanding of the current disparity and the impacts, which RJW also felt needed to be understood before a Workgroup is convened for this issue.

4474. NR added that in the Grid Code it is not clear that National Grid can instruct a Distribution Network Operators (DNO(s)) to carry out an emergency instruction. TKT clarified that it does not explicitly say that National Grid can instruct a DNO to disconnect Generation [ref BC2.9.3.3 Instructions to Network Operators relating to the Operational Day may include: (e) an instruction to disconnect an item of Plant or Apparatus from the System.]; hence, the main reason for raising the issue is National Grid need to be able to instruct Users in times of

emergency to protect the system. The view is that OC6 is now out of date as it was devised before the explosion of embedded generation when focus was on reducing demand in the system rather than control Generation.

4475. JN felt one approach that might make this more palatable is to map the issue to exporting GSPs (which has been considered by the industry for several years) as a first step. The best resolution should see the DNO control their systems. SC added that if this proposal is giving National Grid powers to disconnect a Generation customer in a DNO area in an emergency to protect the system, the DNO's agree that if the issue focuses on tightening up the wording in Grid Code then they are supportive, however, if it is looking to disconnect a Generation customer due to a local problem emerging as part of a new connection, then the DNOs are not happy with the proposed solution. TKT replied to JN that exporting GSPs is not the issue. The issue is the balance between Generation and Demand.

4476. AV wanted to clarify what is going to be done with the emergency instructions. Are they just for local NRAPM (Negative Reserve Active Power Management) situations, since you could have a balanced system but still need an NRAPM, or is it wider? AV continued to ask National Grid if they wanted to use the instructions for wider network control because it needs to be clear what we are using it for so that the Workgroup Terms of Reference clearly highlight what it is looking to achieve.

4477. FR clarified that what is being asked is to raise a Workgroup to look at the disconnection of embedded generation in an emergency situation. It was confirmed that it would only be point (e) in BC2.9.3.3 that needs to have clarity as a result of this issue.

4478. SC reiterated it needs to be clear what the problem is because the presentation and issue paper appeared to be contradictory. If you are doing it for system wide emergencies then the DNOs would support that change. TKT clarified that National Grid has done what it can commercially to try and resolve this issue and now this is why the issue has been raised. SC felt National Grid needs to define what the problem is that needs resolving otherwise it will not get DCRP buy in for a cross code change which is needed.

4479. CMD asked if all commercial mechanisms have been exhausted because this needs to be confirmed before any changes are taken forward. TKT responded that National Grid are currently looking at novel ways to resolve the issue but that National Grid are not having much success getting parties to sign up to bilateral trading agreements etc.

4480. RJW added the paper needs to acknowledge that this would be a last resort process and it needs to clearly be flagged.

4481. SC added that he was happy to have an offline discussion with DNOs to tighten up the wording of the ToR to ensure that the issue can progress. It was agreed by the Panel that an amended issue paper needs to return to the September Panel for comment before it can progress to Workgroup and before this it will also be discussed at the DCRP on 8 Sept.

4482. AF added that he was concerned that it could give DNOs and National Grid wider abilities to disconnect Generators which would be a commercial risk to them. RJW added that RfG will potentially give the SO remote access to disconnect new Type A plant.

4483. SC added that you can't place further commercial risk on DNO's which they are not funded to meet and that a TDI interface group was set up under Ofgem and DECC to look at localised problems which also includes commercial solutions.

4484. GN flagged that about 5 years ago several wind plants were tripped by NGET under emergency conditions, then there was a big push to get wind plant into bilateral agreements with National Grid and that membership of the BM at a lower capacity level would be a solution to the commercial issues – as BM generators being subject to Emergency Disconnection are paid their bid prices. GN noted that currently there is nothing on National Grid's website to flag that National Grid requires to balance the system at a more local level and no evidence that they are seeking to engage with smaller PV generators. Finally, GN

suggested that there were shortcomings in the FES and SOF which have extreme scenarios in order to flag such issues as early as possible; in this case they had not done so.

ACTION – National Grid to reword and define the Emergency Disconnection issue paper and present back to the September Panel.
ACTION – National Grid to check whether emergency instructions can be issued to interconnectors.

6 Existing Grid Code Development Issues

a) GC0096: Storage

4485. RJW confirmed that the plan is to set specific technical requirements in the Grid Code for storage technologies. The first workshop with limited and selected attendees, will be on the 17th August hosted by the ENA with an update to be provided to the Panel in September. In current connection agreements with storage projects technical requirements are being introduced on a bilateral basis which is neither consistent nor transparent.

4486. GN added that as this workshop was very limited in attendance, with NGET selecting attendees, wider stakeholder engagement needs to be clear on the impacts of any changes. RJW confirmed that a second workshop would be held for a larger audience and remote participation would be made available to those who weren't able to attend in person.

4487. CMD added that it was important to get a balanced representation of not only Storage companies but also Demand and Generation stakeholders.

b) Relevant Electrical Standards

4488. LF provided an update on the outstanding RES documents which still have some comments outstanding that are awaiting a response. LF confirmed that comments were received from Northern Powergrid (NPg) on some of the documents and we are currently finalising a response to these plus a few other outstanding issues with the document technical owners in the TO. He also confirmed that the updated documents will be circulated to all Panel members in the next month for comment with a view to publish the final versions.

4489. LF confirmed that the removal of a single component document forming part of the RES will be discussed further following comments from NPg that they did not want the concise document removed as it goes against the principle of RES by replacing a focussed relevant 4 page document with a general 200 page document. LF confirmed he will take this back to the document owner.

4490. FR also presented slides on the progress of the issue paper looking at consolidating the RES documents for all TO areas. Following GCDF discussions, National Grid presented 3 options to remedy this issue at the May 2016 GCRP, followed by presenting the issue at DCRP. The DCRP felt it would be a good idea to have a core set of standards, however, with the amount of work required in light of the EU network codes implementations it was concluded that there was no appetite to progress this currently. FR also confirmed that he had discussed with the ENA, the outcome being that the ENA have no prior experience of the Transmission Electrical Standards and this lack the expertise would result in resource and cost implications for any work that the ENA would need to carry out on RES. FR recommended that with further work ongoing with onshore competition and the SO/TO roles it was worth waiting until this had progressed further before starting the process of changing the current framework of the RES documents.

4491. SC asked if the CATO (competitively appointed transmission owners) points were being fed into the CATO consultation. FR confirmed that National Grid hasn't currently done this but would consider sending in a response.

4492. CMD did not agree that it would be [in total] more costly to maintain documents centrally compared to in 3 separate places. FR reiterated that it may not be costlier but there would be costs and resource implications that would have to be considered before progressing the

work. This would put constraints on industry resources keeping in my mind all the EU Code work that needs implementing. JN added the whole idea behind bringing all the documents together is that it would make the process more efficient and transparent.

4493. SC confirmed that the discussion at DCRP was that with all the resource currently being used for the EU Network Codes and the fact that the TOs had not come to any conclusion on their standard documents then without clear customer demand currently it should be put on hold.

4494. FR confirmed that work will be done to carry out changes to the General Conditions and create a ToR before taking the draft version to the GCDF to comment on the new format in October 2016.

ACTION – National Grid to take draft General Conditions changes and ToR for the RES to the October GCDF meeting for industry comment.
ACTION – National Grid to add to the RfG project plan the impact of EDT* and EDL* on Type D Generators.

7 Workgroups in Progress

a) GC0079: Frequency Changes during large disturbances and their effect on the total system (ROCOF).

4495. XZ confirmed the Workgroup need to carry out further studies on whether and how changes to protection settings might be funded. An update meeting is scheduled for 26 July with a minimum of at least 3 or 4 more meetings expected.

4496. SC confirmed that the phase 2 paper was rejected at DCRP because it wanted the workgroup to consider how any findings would be implemented; phase 1 was extremely difficult to get Generators to comply with and has not been concluded.

4497. It is also worth noting that the Authority would not accept a move into phase 2 until there was a generally accepted practical implementation method.

b) GC0087: Frequency Aspects of RfG.

4498. XZ confirmed that at a meeting in early June most of the frequency parameters were agreed and that the workgroup is currently drafting legal text. Work has been done in the SOF team to understand what the recommendation would be to set the right level for ROCOF Withstand.

c) GC0090: HVDC Fault Ride Through

4499. RJW confirmed that the RfG workgroup (GC0048) and GC0090 had concluded proposals for Fault Ride Through requirements. The plan is to draft up a joint consultation document and legal text for potential review at the September GCRP before publishing a Consultation. The plan is that through August the Consultation and legal text will be dealt with via email circulation with the workgroup, then finalised at a meeting in September. Recommendations on Voltage & Reactive requirements for HVDC and RfG should follow shortly afterwards. It was also noted that the treatment of the parameters still needs further discussion.

d) GC0091: DCC

4500. RJW confirmed that the Workgroup have split the implementation between the Technical requirements for new Transmission-connected Demand, and new demand side response providers. The technical requirements work is progressing well; DSR is being planned for a meeting in September.

e) GC0095: TSOG

4501. RJW confirmed that they have now completed a code mapping exercise. The first Workgroup met at the start of July with another meeting scheduled for September prioritising

modifications for any obligations which apply directly when the code enters into force at the start of 2017.

f) GC0036

GN noted that it was over 7 years since this workgroup was inaugurated. The last report to GCRP was verbal in May 2014. GN raised the subject at November 2015 panel. The last working group on the web site is meeting 9 in November 2014. XZ reported that the WG had met recently and another meeting was scheduled.

ACTION – NGET to provide a written progress update at the September GCRP on GC0036 explaining why it has not been concluded yet and update the GC0036 web site

GN noted that all WG were to report in writing to the GCRP annually if they had not concluded.

ACTION – NGET to add this reporting date to the WG tracker sheet for each WG.

8 Workgroup Reports

4502. None.

9 Industry Consultations

a) GC0048: RfG Implementation.

4503. RJW confirmed that there were 21 responses to the generator banding consultation, 16 preferring the high MW banding option, 4 with the medium and 1 with the Low. Some supporting evidence (cost data) was received but not enough to immediately form the Cost Benefit Analysis (CBA) that the Authority are seeking to make a decision. There will be further work within the workgroup to obtain some more data to help form this CBA. The workgroup were particularly seeking information on incremental costs of procuring equipment to be more technically compliant (in the case of a lower banding level), as well as the incremental cost for control and protection equipment for the same reason, plus any commissioning costs which arise, and finally further views on market facilitation costs for dispatching capabilities. RJW confirmed only one party had provided this information so far – so further views (or 'validation' as RW put it) would be helpful. RJW is drafting the report to the authority in parallel, for workgroup review during August/September. CMD asked what is encompassed in market facilitation. RJW confirmed this was the IT and Comms necessary to dispatch real time response capabilities to a TSO. The consultation had provided a view of a full in-house solution for this, but other methods were possible. He was hoping to understand this through the above data gathering exercise. RJW also confirmed that fixed costs for BSC participation for example were already captured.

4504. CMD also queried whether there were any licence changes resulting from the banding. RJW confirmed this was raised at the GC0048 meeting, but that licence changes were not anticipated at this stage.

b) GC0077: Subsynchronous Resonance

4505. XZ confirmed the responses have been presented to the SQSS review Panel. The Report to the Authority will be circulated to the Panel for 2 weeks at the start of August for comment before submission to the Authority assuming no major issues are identified.

c) GC0093: System Warnings (NISM naming)

4506. RW confirmed the consultation went live on 8 July 2016 and will close on 5 August.

4507. CMD wanted to reiterate that if the name change is carried out it needs to be widely communicated to all plant and operators who would respond to a NISM currently to ensure

they act correctly in response to the new term. RW confirmed that if there was a name change NG would widely communicate it to industry but that industry participants will also need to plan for this.

4508. RW reminded the Panel that any responses to the consultation need to be evidence based.

10 Reports to the Authority

a) GC0092: Using National Grid Network Models for Long Term Planning

4509. RJW confirmed the report is currently with the Authority for a decision [post-meeting update – approved on 28 July; implementation will be by 11 Aug].

11 Pending Authority Decisions

a) GC0062: Fault Ride Through.

4510. XZ confirmed that GC0062 was approved by the Authority and implemented on 29 June 2016.

12 Progress Tracker

4511. No update.

ACTION – National Grid to flag Workgroups that have been ongoing for more than 1 year and update the progress tracker with timescales.
ACTION – National Grid to add GC0068 back onto the Tracker.

13 Standing Items

a) European Network Codes

4512. No comments from the panel.

b) Joint European Stakeholder Group

4513. No comments from the panel.

c) Grid Code Development Forum

4514. No comments from the panel.

4515. The next Meeting is on 06/10/2016

14 Impact of other Code Modifications or Developments

4516. No comments from panel

15 Any Other Business

a) EBS

4517. ADC provided an update on the progress of the EBS project. He confirmed that on Monday 18th July the transition phase began There are different stages for different activities and a long commissioning process lasting until November. Currently they have the ability to replicate whatever happens in the BM in EBS so it can be compared what the impact would have been if it was carried out in the BM.

4518. NR asked what the National Grid go/ no go criteria is for carrying out any pre-trials. ADC confirmed that the BMRS cut over will not be until the back end of the plan as they expect the BM to be the auditable source of data. The first trial will only be sending a few instructions manually; it will not be in automatic mode. The following trials will be in automatic mode, but before going onto that they are planning several tests and stress tests with ELEXON to ensure that everything is recorded accurately. ADC also confirmed that all external user testing and action validation will be completed before carrying out the pre-trial.

4519. AF asked with the new automatic system will the restriction on a BOA every 2 minutes change to 1 BOA every 5 minutes? ADC stated that in addition to the automatic BOAs manual BOAs will continue but that no BOA could be sent automatically once the previous BOA has been accepted and while this is still in progress.

4520. JN added that currently large power stations are required to respond to BOAs within 2 minutes (i.e. NTO and NTB). JN felt it would be useful to have on record that more frequently issued BOAs could probably be accommodated by Generators if the value of NTO and NTB at large power stations could exceed 2 minutes via EBS. If the new system can accommodate this change it would enable a more efficient despatch process.

4521. CMD asked what the functional spec for EDT star is and if that will be published on the web. ADC confirmed it will be published.

4522. RW and RP confirmed that at future meetings the EBS update will be moved to standing items.

a) CGR3/CMA Update

4523. RP presented an update on the CGR3 initiatives that need to be implemented and the findings of the CMA. It was confirmed that licence changes for CGR3 will exit the appeals window at the start of August at which point the Code Administrator will begin look to resubmit GC0086 Report to the Authority which will implement these changes.

4524. RP also confirmed that new universal templates will be used for the modification process. The new templates will be circulated amongst Panel member for reference and comment for 5 days.

b) GC0086: Open Governance

4525. RP confirmed that following the closure of the appeals window for the CGR3 licence changes National Grid will progress with amending the Report to the Authority. The timeline is currently to get internal legal review on the amended legal text and then Authority review prior to submitting the amended Report to the Authority to the September Panel if the changes are material. The goal is that the changes will be approved by the start of November so that the new Panel constitution can be voted on for the start of 2017. RP confirmed that it had not yet been decided on which modifications become bound by the new process, but, the sensible option seems for all new modifications not convened at Workgroups to be bound by the new process. It was also confirmed that the Independent Chair process is progressing.

ACTION – circulate the new modification templates to the Panel for 5 day comment
ACTION – circulate the GC0086 Report to the Authority to the Panel for comment.
ACTION – create a functionality and specification document on EDT and EDL star to publish on the website.

16 Next Meeting

4526. The next meeting is planned for 21st September 2016 at National Grid House, Warwick.