

MINUTES - Draft

MEETING: Electricity Industry Terminology and Phraseology
 DATE: Monday, 23 November 2020
 TIME: 09:30am – 11:30am
 LOCATION: Microsoft Teams Meeting

TELECONFERENCE

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ATTENDEES:

NAME	COMPANY / DEPARTMENT
Caroline Ferres	AEMO
Duane Brooks	ElectraNet
Leanne Maurice	Powerlink
Mario Rositano	AEMO
Neil Grigg	Energy Australia
Phil Gay	Ausnet Services (joined the mtg at 10:30am)
Russell Gordon	Energy QLD (left at 10:00am)
Stuart Cariss	AGL

APOLOGIES:

NAME	COMPANY / DEPARTMENT
Bashar Derbas	AEMO
Colin Sharp	Tas Networks
Darren Spoor	AEMO
Edward Sellwood	Essential Energy
Malcolm McNicol	AEMO
Matthew Corney	Powerlink
Paul McNamara	AGL

Second meeting of the CROWG subgroup: Electricity Industry Terminology and Phraseology

1. Welcome and opening comments.

Mario opened the meeting and thanked everyone for their time particularly in the lead up to Summer. New members, Stuart Cariss, Leanne Maurice and Russell Gordon welcomed.

Introductions:

- Stuart Cariss from AGL - Renewable Ops Manager for AGL Renewables. Works closely with Loy Yang and Torrens internally – Involved directly with semi scheduled plant. AGL has a renewables control room in Melbourne. Controls AGL’s renewables fleet of wind, solar assets and Hydro assets. Recently had a near miss at Macarthur WF (420MW WF in Western Victoria that interfaces with AusNet). Basic cause was an operating error, but verbal comms/terminology/phraseology were also a contributing factor. Working on “proceduralising” a comms protocol internally, so glad to be a part of this working group.
- Leanne Maurice from Powerlink - currently Acting Manager Network Operations replacing Steve Saunders. Become involved as part of her acting her role. Good to have a common understanding of terminology to reduce risk. TNSPs speak with all participants (AEMO, DNSPs, Generators, renewables, etc) so important to be across the comms with all.
- Russell Gordon from Energy QLD - based in Brisbane. EQL and Powerlink have well established communication/switching/validation protocols. Interest stems from wanting EQL, as a DNSP, to understand the phraseology and way of communicating at the ‘bigger end of town’ so that, when asked to do something, they are able to make sense of requests and words used.

2. Restart Spreadsheet

2.1. Content

The group reviewed and discussed the CROWG – System Restart Terminology and Phraseology spreadsheet.

RG: Looking at what’s been provided from TransGrid, ElectraNet and Tas Power, there’s a huge journey ahead of us to achieve a common set of phrases. Wish ourselves luck. Ultimately, we want this list to be as small as possible not as big as possible. Like what we have between ourselves (EQL) and Powerlink - good relationships and communications. If that can be broadened further, that would be perfect. Happy to contribute from a DNSP perspective.

- Mario gave a brief overview of the spreadsheet and the columns listing the term, the meaning as well as the reference (where it comes from). Columns for the TNSP, DNSP and Generator are provided so they can add their comments and any differences in individual interpretation of a term in the relevant column. Useful to capture different perspectives or variations in meaning so we understand each other’s interpretation of terms and what we mean when we say things.
- Many of the terms listed in the spreadsheet have been taken directly from the NER

(National Electricity Rules), the AEMO Glossaries and the relevant AEMO System Restart documentation. Tasmania has provided terms from their local System Restart procedures (SO_OP_5005) as well as acronyms.



- The inclusion of acronyms was discussed and it was agreed that it would be worthwhile to start a tab for acronyms – The preference is to have acronyms included in the list of terms as a first pass and then add them to an ‘acronyms tab’ for reference/look up.
- Definition of ‘available to start’ was discussed – which part of start is intended?
 - NG - Noticed in the restart documentation that it’s not clear what is meant by restart or start. As a generator, for me this could mean, I’ve just got power supply back up on site and that’s where I’m starting from. This is different from starting as in starting to load up.
 - MR – Agreed that from AEMO’s perspective, for example when we are doing a system restart, getting auxiliary supplies to the station is one aspect of starting but then getting to the point of starting the units is another. These are two different things:
 - i. Available to start (SRAS unit) – starting the SRAS unit or any other unit
 - ii. Available to start (station services) – receiving auxiliary supplies
- Discussed trying to get some definitions for ‘soft starting a generator’. Tasmania talk about soft starting their units – this came up during recent Tas System Restart training. ‘Synchronising to a dead bus’ or ‘soft starting’ a generator are not well defined anywhere.

Action 2.1: Mario will follow up with TasHydro to try to get some definitions for TAS related terms (e.g. ‘soft starting a generator’, ‘synchronising to a dead bus’) and get these added to the list.

- Definition of ‘manual dispatch of generation’ discussed’ and how this is communicated – verbally or manually updated from AEMO’s AGC page. Generator would still pick up target. It was agreed to remove the word ‘manual’. Changed to ‘dispatch of generation’.
- DB raised the topic of Frequency control, FCAS, etc. It was decided to add the terms ‘frequency control’ and ‘voltage control’. MR to find a definition.
 - NG: These days a combination of voltage/frequency control is required. First unit needs to cover all bases, frequency control, voltage control, reactive power.
- Worked through the remaining list of terms. The importance of including all of the terms in the list, was highlighted.
- Discussed ‘Standby’ – necessary to include. Cuts down on unnecessary traffic.
- Discussed the Tasmanian related terms (5005) which Mario is chasing up a definition for.

Action 2.2: - MR to define terms still requiring a definition (e.g. reactive power, restoring load, voltage control, frequency control, etc).

2.2. Format

Group concluded the current format of the spreadsheet and scripts works well. Any comments, local language, interpretation of terms from the TNSPs, DNSPs and generators can be captured.



The group considered whether the format was clear and easy to use, given that the list may potentially be passed on to semi scheduled plant and other organisations for their use. The group feels the current format is user friendly and can be incorporated into training and local black system procedures.

Communication between a generator and an NSP is also intended to be captured in the spreadsheet. Want to be able to pick up terminology from any of the entities, the meaning, the application and where it comes from.

Action 2.3: Everyone in the group to go through each of the local black system restart procedures to try to pick up on terminology and phraseology as well as any acronyms that aren't already covered in this table. Everyone to feed this information back to Mario for inclusion in the spreadsheet. MR to contact each of the TNSPs to request their input and suggestions.

Action 2.4: MR to then send out the updated spreadsheet to the wider CROWG group for feedback. To be provided for use over the Summer (as a draft guide and in their training) with a view to reviewing and providing input back to MR. MR to collate feedback and continually update the spreadsheet and develop.

2.3. Application to NEM Participants

Provide the document to the CROWG initially with a view to distributing it to the wider audience once it has been 'tested' and further refinements have been made.

3. Time Critical/Emergency Events

Similar to the restart process, the intention is to follow on with terminology and phraseology for emergency and time critical events. Important to include the terms that would be useful in these instances as well.

3.1. Members point of view/general requirements Information

provided by members:

- ElectraNet – definitions. 'Switching Manual Definitions'.
- TasNetworks – 'Safety Document' and their definitions □ Bayswater – some documentation.
- Essential Energy - 'Terminology Document'.
- Powerlink – Craig Isaacs provided a switching sheet for restart.

MR asked the group if it's OK for this information to be shared/distributed across the group (yet to check with the TNSPs and Bayswater). DB is happy to share and send out.

- DB: no issues with the information being shared across the group. Terms were taken from the Office of the Technical Regulator and the ENA Guidelines. ElectraNet has some phraseology and agreed written scripts that they use when it comes to emergency events such as manual load shedding, black start, non-credible contingencies, safety, etc. Maybe we make it a big list so everyone can pull out what they need locally. If every TNSP, DNSP and Generator provides this, it could become a very large list.
 - MR: Important to acknowledge how everyone handles this kind of communication. If it's working, don't want to discount what people are using.

Other points of view:

- NG – When letting the person know that it is an emergency or time critical event, use agreed language or phraseology. Their operators have been told to treat all communication with AEMO or TNSPs as a direction when requests come through.
 - SC: Agree. It would be helpful to issue some sort of statement so that it is quite clear that it is a time critical event, mentioning the ability to act. Is this an instruction?
 - PG: We expect the statements to be read out. If the word ‘direction’ is mentioned or the phrase ‘risk to power and plant’ is used, people understand what’s expected.
 - SC: Is it clear what ‘inverters off’, ‘isolation disconnected’ means? Where?
 - MR: Participants need to be absolutely specific so there’s no ambiguity when AEMO is giving instructions. If it’s not clear what AEMO is saying, we definitely need to know that. Every semi scheduled plant has their own requirements. Differs from plant to plant.
 - NG – Market Notices don’t do it for us.
 - MR - Do participants read them immediately and know how to act?

Action 2.5: Everyone to define what emergency or critical events means to them and scripts (if applicable).

Action 2.6: MR - Create an initial list of emergency or time critical events and definitions for when we’re in these types of situations. MR to provide scripts (particularly for generators) and terms from AEMO’s side of things for – situations that arise very quickly (e.g. bushfires, cyclones, etc). Use this to cross reference that we have the terminology and phraseology for these events. Add another tab to the spreadsheet (one for Black Start and another for time critical or emergency events).

4. Timeframes/schedule/outcomes

- End November: Get the restart spreadsheet to the group. Mario will look to get this out at the end of the November bearing in mind that acronyms still need to be provided.
- Prior to end December: Send something out re: time critical events by the end of the year with a view to having something to discuss at the next CROWG meeting.
- Next step/phase for the group: Once the ‘Black Start’ and ‘Emergency/Time Critical Events’ spreadsheets are developing, what’s the next phase for the group? Having this cross-reference table is key if we’re looking at developing this terminology/phraseology across the NEM. Having everybody contribute the way they do things, can see where it fits in relation to everyone else. We’ll see the relationships between the various entities. Where should we be taking this?

Other outcomes/comments:

- SC: Terminology on the website is more NEM participant rather than operational terminology.
 - MR: Probably the starting point – where this is coming from. Feeds back to the rules and the legal terms that have been agreed as part of the NEM. But then there’s the history between the TNSPs and DNSPs and generators as well. Need to get all of this information, terms and phraseology from all of these entities as well. What we’re doing, is for the operators.
- DB: It’s the right path. Could get very big but if that’s what it needs to be... Could be very helpful training tool for people who haven’t been exposed to the various

nuances. Stuart mentioned inverters but we call them Dvars and SVCs so it's good to know what we all call these things. Don't want to lose the history of terms and don't want it to be diluted. Don't necessarily want one rule fits all. Won't work. Different manufacturers name things differently too.



- PG: An ongoing thing. Important to get something out. Great issues with our partners and people with connection assets. They're from overseas and have totally different terminology. Be good to be able to give them a guide to terminology to expect in Australia. A lot of the new plant coming would benefit from this sort of guide to terminology and phraseology.
 - MR: Agree. It'd be good to target some of these newer plants coming in and need a list for that. That's almost the next step/piece of work we could take on.
 - NG: Definitely see it as a guideline document as part of AEMO's formal documentation process. People can pick these documents up to help get them off on the right foot (e.g. Commissioning is the first exposure to the NEM. Would be good for new participants to have the correct terms from the get-go). Have some sort of standard.

5. Other Business

No other business to add.

6. Next meeting

- Intend to book another meeting in for early March before the next CROWG meeting taking place in mid-March so we can report back to the wider CROWG at the next meeting.

Meeting Forward Plan:

Date	Location
Early March 2021	Microsoft Teams

ACTION ITEMS	Who	Actioned
Action 2.1: Mario will follow up with TasHydro to try to get some definitions for TAS related terms (e.g. soft starting a generator, 'synchronising to a dead bus') and add these to the list.	MR	
Action 2.2: - MR to define terms still requiring a definition (e.g. reactive power, restoring load, voltage control, frequency control, etc).	Mario	
Action 2.3: Everyone in the group to go through each of the local black system restart procedures to try to pick up on terminology and phraseology as well as any acronyms that aren't already covered in this table. Everyone to feed this information back to Mario for inclusion in the spreadsheet. MR to contact each of the TNSPs to request their input and suggestions.	All	
Action 2.4: MR to then send out the updated spreadsheet to the wider CROWG group for feedback. To be provided for use over the Summer (as a draft guide and in their training) with a view to	MR	
ACTION ITEMS	Who	Actioned

reviewing and providing input back to MR. MR to collate feedback and continually update the spreadsheet and develop.		
Action 2.5: Everyone to define what emergency or critical events means to them and provide scripts (if applicable).	All	
Action 2.6: MR - Create an initial list of emergency or time critical events and definitions from AEMO's perspective. MR to provide scripts (particularly for generators) and terms from AEMO's side of things for – situations that arise very quickly (e.g. bushfires, cyclones, etc). Use this to cross reference that we have the terminology and phraseology for these events. Add another tab to the spreadsheet (one for Black Start and another for time critical or emergency events).	MR	
Actions from the first Meeting:		
Action 1.1: Mario to distribute the minutes.	Mario	done
Action 1.2: Mario to create a reference table, add AEMO terms and distribute to the group with an initial focus on restart and emergency events.	Mario	done
Action 1.3: Everyone to add terms, phraseology and definitions.	All	done
Action 1.4: Group to provide feedback as to whether the AEMO terms are clear and concise.	All	done
Action 1.5: Aim to get an initial 'Reference List' out before the next CROWG meeting in October and outline what we're aiming to do. However, in the short and medium term, we will see how we go.	All	done