

**From:** [Prabodha Paranavithana](#)  
**To:** [Miga Jung](#); [Maheshini Weerackoon](#); [Jennifer.Sai@aemo.com.au](mailto:Jennifer.Sai@aemo.com.au); [Jahan Peiris](#); [Snehal Patel](#); [Richanand Mishra](#); [Alireza Heidari](#); [Lorita Chen](#); [Jennifer Sai](#)  
**Subject:** RE: Riverina FIA discussion  
**Date:** Saturday, 21 March 2020 12:35:17 PM  
**Attachments:** [image004.png](#)  
[image005.png](#)  
[image006.png](#)  
[image008.png](#)  
[Brief Note - Outcomes of Additional Tests - Reverina SF 20032020 assent.docx](#)

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Hi Miga,

We have tested the Reverina SF response to line 63 contingency (in which un-damped small signal oscillations were noted post contingency with 40 MW plant capacity) for:

- 1) 32 MW plant capacity
- 2) 34 MW plant capacity

Please refer attached updated brief technical note with the results. Results show that 34 MW plant capacity results in unacceptable (ie. oscillation damping ratio does not comply with the Rules requirement) small signal oscillations, while 32 MW plant capacity sits at the boundary of the Rules requirement. Based on these results, we suggest to proceed with 30 MW plant capacity.

If you'd be proceeding with 30 MW plant capacity under the present 5.3.9 request, below documents/models are required to be updated:

- 1) Updated GPS – primarily the front table, S5.2.5.1, S5.2.5.2 (updated set of emission limits to suit the revised MW to be provide by TG).
- 2) Updated PSS/E models and RUG
- 3) Updated PSCAD model and RUG
- 4) S&D data sheets updated as required (it is just the capacity related details)
- 5) PSSE / PSCAD settings mapping sheet

Please let us know if you'd like to further discuss.

Regards  
Prabodha

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**From:** Miga Jung <miga.jung@suntech-power.net.au>  
**Sent:** Tuesday, 17 March 2020 9:08 AM  
**To:** Maheshini Weerackoon <Maheshini.Weerackoon@transgrid.com.au>; Prabodha Paranavithana <Prabodha.Paranavithana@transgrid.com.au>; Jennifer.Sai@aemo.com.au; Jahan Peiris <Jahan.Peiris@transgrid.com.au>; Snehal Patel <Snehal.Patel@transgrid.com.au>; Richanand Mishra <richanand.mishra@suntech-power.net.au>; Alireza Heidari <Alireza.Heidari@transgrid.com.au>; Lorita Chen <lorita.chen@suntech-power.net.au>; Jennifer Sai <Jennifer.Sai@transgrid.com.au>  
**Subject:** RE: Riverina FIA discussion

Hi Maheshini,

Thank you for organising the meeting on Friday; it was invaluable in getting us a clearer understanding of the way forward.

A special thank you to [@Jennifer Sai](#) for taking time from your busy schedule to give us advice and guidance.

Here are the main takeaway of the meeting:

- Transgrid: Investigate the max. capacity at which the voltage oscillation is acceptable without a remediation e.g. decrease the capacity in 'X' MW decrements from 40MW to 30MW until target is reached.
- AEMO: Internally discuss with the management regarding the possibility of having 50% P reduction as SPS.

We sincerely appreciate your support, and everyone that has been part of Riverina for sharing some of your expertise.

We look forward to hearing the above outcomes from you at the earliest.

Many thanks.

Kind regards,

| Miga Jung | [Suntech Power](#) Development Australia | [miga.jung@suntech-power.net.au](mailto:miga.jung@suntech-power.net.au) | T:+61 2 8328 0966, ext 2 | Mob: +61 403262076

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**From:** [Maheshini Weerackoon](#)

**Sent:** Thursday, March 12, 2020 3:06 PM

**To:** [Prabodha Paranavithana](#); [miga.jung@suntech-power.net.au](mailto:miga.jung@suntech-power.net.au); [Jennifer.Sai@aemo.com.au](mailto:Jennifer.Sai@aemo.com.au); [Jahan Peiris](#); [Snehal Patel](#); [richanand.mishra@suntech-power.net.au](mailto:richanand.mishra@suntech-power.net.au)

**Subject:** Riverina FIA discussion

Hi everyone,

Due to prior commitments from both AEMO and TransGrid I have reduced the duration of this meeting to half an hour. I have promised several people that the meeting will finish at 4:30pm on the dot so please use the time wisely.

Thank you

Kind regards,

Mesh

#### **Riverina FIA discussion**

Scheduled: Friday, 13 Mar 2020 from 4:00 pm to 4:30 pm

Location: BR SO L01 BG BOOKINGS ONLY Franklin Room

Invitees: BR SO L01 BG BOOKINGS ONLY Franklin Room, Prabodha Paranavithana, [miga.jung@suntech-power.net.au](mailto:miga.jung@suntech-power.net.au), Jennifer Sai, Jahan Peiris, Snehal Patel,

[richanand.mishra@suntech-power.net.au](mailto:richanand.mishra@suntech-power.net.au)

Sent from my iPhone

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