



**RUN SHEET - DAY 1**  
**CIGRE A2 - Transformer Reliability Webinar**

**Tuesday, 18th May 2021**

**9:00am to 12:40pm**

Time	Min	Session 1	Name	Company	Country	Presentation Title / Outline
<b>8:30 AM</b>	<b>30</b>	<b>Webinar Setup - Mt Gravatt Studio</b>				
<b>9:00 AM</b>	5	Welcome	<b>Ross Willoughby</b>	AP A2 Panel Convenor	Australia	Overview of Day 1 proceedings, speakers, CIGRE A2 update
9:05 AM	50	Speaker - 1	Dr Dan Martin	ETEL Transformers & WGA2:62	New Zealand	Tutorial from WGA2:62 International Transformer Reliability Survey
<b>9:55 AM</b>	<b>5</b>	<b>Collation of the Online questions by Organisers whilst CIGRE Australia Presentation or Notice is Aired</b>				
10:00 AM	5	Speaker - 1	<b>Dr Dan Martin</b>	ETEL Transformers & WGA2:62	New Zealand	<b>QUESTION TIME</b> for Tutorial from WGA2:62 International Transformer Reliability Survey
10:05 AM	30	Speaker - 2	Michael Jordanoff	Transpower	New Zealand	Specifications -recent Transpower purchase specification enhancements for new power transformers to improve long term reliability.
<b>10:35 AM</b>	<b>5</b>	<b>Collation of the Online questions by Organisers whilst CIGRE Australia Presentation or Notice is Aired</b>				
10:40 AM	5	Speaker - 2	<b>Michael Jordanoff</b>	Transpower	New Zealand	<b>QUESTION TIME</b> for Specifications -recent Transpower purchase specification enhancements for new power transformers to improve long term reliability.
10:45 AM	30	Speaker - 3	Lagath Ganepola	Powerlink Queensland	Australia	Transformer Specifications - Improving reliability through specification, design and construction
<b>11:15 AM</b>	<b>5</b>	<b>Collation of the Online questions by Organisers whilst CIGRE Australia Presentation or Notice is Aired</b>				
11:20 AM	5	Speaker - 3	<b>Lagath Ganepola</b>	Powerlink Queensland	Australia	<b>QUESTION TIME</b> for Transformer Specifications - Improving reliability through specification, design and construction
11:25 AM	60	Speaker - 4	Joe Tusek	Verico	Australia	Understanding and mitigating corrosion – CIGRE TB 765
<b>12:25 PM</b>	<b>5</b>	<b>Collation of the Online questions by Organisers whilst CIGRE Australia Presentation or Notice is Aired</b>				
12:30 PM	5	Speaker - 4	<b>Joe Tusek</b>	Verico	Australia	<b>QUESTION TIME</b> for Understanding and mitigating corrosion – CIGRE TB 765
<b>12:35pm</b>	<b>5min</b>	<b>Day 1 Closing Address</b>	<b>Ross Willoughby</b>	<b>AP A2 Panel Convenor</b>		
12:40pm		<b>Webinar Day 1 Close</b>				



**RUN SHEET - DAY 2**  
**CIGRE A2 - Transformer Reliability Webinar**

**Thursday, 20th May 2021**

**9:00am to 13:20pm**

Time	Min	Session 3	Name	Company	Country	Presentation Title / Outline
<b>8:30 AM</b>	<b>30</b>	<b>Webinar Setup - Mt Gravatt Studio</b>				
<b>9:00 AM</b>	5	Welcome	<b>Ross Willoughby</b>	AP A2 Panel Convenor	Australia	Overview of Day's proceedings, speakers, CIGRE A2 update
9:05 AM	40	Speakers - 5 & 6	Dr Wenyu Guo and Florian Predl	OMICRON	Australia	Transformer Testing - Static and dynamic winding resistance measurement. The importance of demagnetising the core. Dissipation factor and capacitance measurement
9:45 AM	5	<b>Collation of the Online questions by Organisers whilst CIGRE Australia Presentation or Notice is Aired</b>				
9:50 AM	10	Speakers - 5 & 6	<b>Dr Wenyu Guo and Florian Predl</b>	OMICRON	Australia	<b>QUESTION TIME</b> for Transformer Testing - Static and dynamic winding resistance measurement. The importance of demagnetising the core. Dissipation factor and capacitance measurement
10:00 AM	25	Speaker - 7	Dr Yi Li	National Measurements	Australia	Impulse Testing -the presentation looks at lightning impulses in service vs the FAT & impulse testing for Tx reliability under stresses of lightning strikes and switching operations.
10:25 AM	5	<b>Collation of the Online questions by Organisers whilst CIGRE Australia Presentation or Notice is Aired</b>				
10:30 AM	5	Speaker - 7	<b>Dr Yi Li</b>	National Measurements	Australia	<b>QUESTION TIME</b> for Impulse Testing -the presentation looks at lightning impulses in service vs the FAT & impulse testing for Tx reliability under stresses of lightning strikes and switching operations.
10:35 AM	25	Speaker - 8	Robert Li	TransGrid	Australia	Lessons learned from 16 transformer refurbishments and risks discovered during refurbishment. Difficulties encountered are discussed. Pre and post work comparisons. Investment planning and future risks
11:00 AM	5	<b>Collation of the Online questions by Organisers whilst CIGRE Australia Presentation or Notice is Aired</b>				
11:05 AM	5	Speaker - 8	<b>Robert Li</b>	TransGrid	Australia	<b>QUESTION TIME</b> for Lessons learned from 16 transformer refurbishments and risks discovered during refurbishment. Difficulties encountered are discussed. Pre and post work comparisons. Investment planning and future risks
11:10 AM	25	Speaker - 9	Michael Jordanoff (or Other)	Transpower	New Zealand	Refurbishments - improving the maintenance reliability of existing power transformers with on-going refurbishment/replacement programmes for bushings, tap changers and oil.
11:35 AM	5	<b>Collation of the Online questions by Organisers whilst CIGRE Australia Presentation or Notice is Aired</b>				
11:40 AM	5	Speaker - 9	<b>Michael Jordanoff (or Other)</b>	Transpower	New Zealand	<b>QUESTION TIME</b> for Refurbishments - improving the maintenance reliability of existing power transformers with on-going refurbishment/replacement programmes for bushings, tap changers and oil.
11:45 AM	20	Speaker - 10	Alan Brown	Reinausen Australia	Australia	Improving the reliability of transformers by OLTC retrofit
12:05 PM	5	<b>Collation of the Online questions by Organisers whilst CIGRE Australia Presentation or Notice is Aired</b>				
12:10 PM	5	Speaker - 10	<b>Alan Brown</b>	Reinausen Australia	Australia	<b>QUESTION TIME</b> for Improving the reliability of transformers by OLTC retrofit
12:15 PM	20	Speaker - 11	Dr Thomas Smolka	Reinausen Australia	Australia	Voltage Regulating Distribution Transformer - Update on 2019 in service trials and outcomes.
12:35 PM	5	<b>Collation of the Online questions by Organisers whilst CIGRE Australia Presentation or Notice is Aired</b>				
12:40 PM	5	Speaker - 11	<b>Dr Thomas Smolka</b>	Reinausen Australia	Australia	<b>QUESTION TIME</b> for Voltage Regulating Distribution Transformer - Update on 2019 in service trials and outcomes.
12:45 PM	20	Speaker - 12	Paul Guy	Gridsolutions	Australia	On-Line diagnosis of Transformer Winding Insulation failures using Park's Vector Approach
13:05:00 PM	5	<b>Collation of the Online questions by Organisers whilst CIGRE Australia Presentation or Notice is Aired</b>				
13:10:00 PM	5	Speaker - 12	<b>Paul Guy</b>	Gridsolutions	Australia	<b>QUESTION TIME</b> for On-Line diagnosis of Transformer Winding Insulation failures using Park's Vector Approach.
13:15pm	5min	Day 2 Closing Address	<b>Ross Willoughby</b>	<b>AP A2 Panel Convenor</b>		
13:20pm		<b>Webinar Day 2 Close</b>				



**RUN SHEET DAY 3 -  
CIGRE A2 - Transformer Reliability Webinar**

**Wednesday, 26th May 2021**

**10:00am to 11:30am**

9:30 AM	30	<i>Webinar Setup - Mt Gravatt Studio</i>				
Time	Min	Session 1	Name	Company	Country	Presentation Title / Outline
<b>10:00 AM</b>	5	Welcome	Ross Willoughby	AP A2 Panel Convenor	Australia	Overview of Panel Session proceedings, speakers
	Min	Session 4	Name	Facilitator	Country	Panel Discussion Theme
10:05 AM	80	Panel Session	<b>Michael Jordanoff</b> <b>Lagath Ganepola</b> <b>Robert Li</b> <b>Dr Thomas Smolka</b>	<b>Panel Session</b> <b>Facilitators TBA</b>		
<b>11:25am</b>	<b>5min</b>	<b>Day 3 Closing Address</b>	<b>Ross Willoughby</b>	<b>AP A2 Panel Convenor</b>		
11:30am		<b>Webinar Closed</b>				