

***CIGRE Technical Brochure:  
'Live Working - A Management  
Perspective'***

**Update**

**Keith E. Lindsey**  
Lindsey Manufacturing Co.

July 28, 2010

Management of Existing Overhead Lines WG Meeting  
Minneapolis, Minnesota



# Purpose

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- Evaluate Live Working from a management point of view and determine what is required to implement and maintain an effective Live Working Program.

# Purpose

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- The target audiences are Executives, Top Management, Regulators, Asset Owners and Asset/Facility Managers for maintenance.

# Purpose

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- The result of this evaluation will give a better understanding about the “pros” and “cons” of a Live Working Program and could improve availability of the grid in a cost effective manner.

# 2009-2010 MEMBERS of JWG B2/B3.27

*	COUNTRY	NAME	IN NIAGRA FALLS CANADA	IN SEOUL KOREA	IN SEVILLE SPAIN	IN ROME ITALY	IN PARIS FRANCE
TE	AUSTRALIA	RIKUS BEKKER	N	N	N	N	
CM	SCOTLAND	COLIN BLAIR	N	N	N	N	
O	AUSTRALIA	GARY BRENNAN	N	N	N	N	
TE	USA	HANS CANDIA	-	-	-	-	
CM	FRANCE	RÉGIS CLERC	Y	N	Y	Y	
M	BELGIUM	ERIC CLOET	Y	N	N	N	
CM	CANADA	HUGH CROCKETT	Y	N	N	N	
M	FRANCE	REMI DUBAIL	Y	N	Y	Y	
M	SPAIN	RAFAEL GARCIA FERNANDEZ	Y	Y	Y	Y	
CM	USA	GEORGE GELA	N	N	N	N	
TE	UNITED KINGDOM	MATTHEW GREY	Y	Y	Y	Y	
CM	KOREA	JUNG JOON HO	N	Y	N	N	

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*	COUNTRY	NAME	IN NIAGRA FALLS CANADA	IN SEOUL KOREA	IN SEVILLE SPAIN	IN ROME ITALY	IN PARIS FRANCE
TE	CANADA	TIBOR KERTESZ	N	N	N	N	
TE	CANADA	NORBERT KILROE	N	N	N	N	
M	POLAND	IRENA KUCZKOWSKA	Y	N	Y	Y	
M	DENMARK	GUNNAR KYED	Y	N	Y	Y	
CM	ITALY	VINCENZO LAUROPOLI	Y	N	Y	Y	
M	CANADA	MARYSE LAVOIE	Y	Y	Y	Y	
M	CHINA	QINGFENG LI	N	N	N	N	
CM	BRAZIL	OSVERALDO VILAR FRANÇA LIMA	N	N	N	N	
M	USA	KEITH LINDSEY	Y	Y	Y	Y	
M	SLOVENIA	VIKTOR LOVRENCIC	-	-	-	Y	
M	SOUTH AFRICA	ERIC MARSHALL	N	N	N	N	
CM	AUSTRALIA	BRENT MCKILLOP	N	N	N	N	

# 2009-2010 MEMBERS of JWG B2/B3.27

*	COUNTRY	NAME	IN NIAGRA FALLS CANADA	IN SEOUL KOREA	IN SEVILLE SPAIN	IN ROME ITALY	IN PARIS FRANCE
M	THE NETHERLANDS	ROB MEIJERS	Y	N	Y	Y	
CM	FINLAND	YRJÖ OJALA	N	N	N	N	
TE	CANADA	CALVIN PELKEY	N	N	N	N	
M	THAILAND	KITTI PETCHSANTHAD	-	N	N	N	
M	NORWAY	STEINAR REFSNAES	N	Y	Y	Y	
CM	SPAIN	NURIA RUANO MARTINEZ	-	Y	Y	Y	
CM	RUSSIA	VLADIMIR SHKAPTSOV	N	N	N	N	
M	CZECH REPUBLIC	JIRI STEINBAUER	Y	N	N	Y	
CM	USA	ANDY STEWART	N	N	N	N	
CM	HUNGARY	PETER TARCZY	N	N	N	N	
CM	THE NETHERLANDS	JAN VERLOOP	N	N	N	N	
CM	SOUTH AFRICA	FERNANDO WITBOOI	N	N	N	N	
			41%	21%	35%	40%	

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# Survey Results

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- In 2009 a survey questionnaire was sent out to a number of utility companies who were members or observers belonging to CIGRÉ working groups B2 & B3. The survey covers transmission lines and substations for 100 kV and over. A summary of the survey results is shown below:

# Survey Results

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## Results Of CIGRÉ JWG 27 Worldwide Survey On Live Working

No. of Countries Survey Was Sent To	42	
No. of Countries Who Responded	23	55%
Countries Where Live Working Exits	18	78%
Countries Where Live Line Working Exits	18	78%
Countries Where Live Substation Working Exits	10	43%

# countries where of live working is practiced

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