Form 49 [Rule 13.19]

Clerk's stamp:

CLERK OF THE COURT FILED

JUL 1 2 2013

JUDICIAL CENTRE OF CALGARY

COURT FILE NUMBER

1301-02432

COURT

COURT OF QUEEN'S BENCH OF ALBERTA,

JUDICIAL CENTRE

CALGARY

IN THE MATTER OF THE COMPANIES' CREDITORS

ARRANGEMENT ACT, R.S.C. 1985, c. C-36, AS

AMENDED

AND IN THE MATTER OF THE ALBERTA BUSINESS

CORPORATION ACT, R.S.C. 2000, C. B-9, AS

AMENDED

AND IN THE MATTER OF RS TECHNOLOGIES INC.

DOCUMENT

AFFIDAVIT

ADDRESS FOR SERVICE AND

BLAKE, CASSELS & GRAYDON LLP

CONTACT INFORMATION OF

 $3500, 855 - 2^{nd}$ Street S.W.

Calgary, AB T2P 4J8 PARTY FILING THIS DOCUMENT

Attn: Kelly Bourassa

Telephone/Facsimile: 403-260-9697/403-260-9700

Email: kelly.bourassa @blakes.com

File Ref.: 89300/1

AFFIDAVIT OF CAROL BENISH

Sworn on July 12, 2013

- I, CAROL BENISH, of the City of Calgary, in the Province of Alberta, SWEAR AND SAY THAT:
- 1. I am employed by Blake, Cassels & Graydon LLP and as such have personal knowledge of the matters deposed to in this Affidavit.

2. Marked and attached hereto as Exhibit "A" is a letter to Kelly Bourassa of Blake, Cassels & Graydon LLP from Kimberley Robertson of Lawson Lundell LLP dated July 9, 2013.

SWORN BEFORE ME at the City of Calgary, in the Province of Alberta, this 12th day of July, 2013.

A Commissioner for Oaths in and for the Province of Alberta

MATTHEW J. SIMPSON

Barrister and Solicitor

31104843.1



referred to in the

FOR THE PROVINCE OF AL

July 9, 2013

Kimberley Robertson T: 604.631.9142

THEW J. SIMP SON Propertson@lawsonlundell.com VIA EMAIL (kelly.bourassa@blake

Barrister and Solickon

Blakes 855 - 2nd Street S.W. Suite 3500 Bankers Hall East Tower Calgary AB T2P 4J8

Attention: Kelly Bourassa

Dear Sirs and Mesdames:

Re: In The Matter of the CCAA of RS Technologies Inc. (the "Company")

We advise that Armor Utilities Structures Pty Limited ("Armor") has re-retained our firm to act on their behalf with respect to the application to have the disclaimer of their distribution agreement set aside.

As to the outstanding matters:

- 1. Process Order We confirm that we have no intention of crossexamining Mr. Fecht on his affidavit. We confirm our intention to provide our client's brief of law to you by tomorrow.
- 2. Outstanding Discovery Requests The process order is silent as to the timing of responding to the outstanding requests from discovery. Accordingly, we take this opportunity to now provide those answers:

Undertaking 1 - The management fee charged between the 2 companies is a fee determined by our external accountant.

Undertaking 2. - The lease commenced for the premises at 448 The Boulevarde Kirrawee on 1st June 2009 which is where Armor Australia P/L & Armor Utility Structures P/L are based.

Undertaking 3 - Essential Energy(formerly Country Energy) have purchased 12 poles since the ENA tender. After receiving the poles from the ENA tender in 2008, It has taken Essential several years to install the remaining poles.

The 12 poles purchased in 2012 are part of a new trial being conducted by Essential with regards to the suitability of RS poles for use in backyards. The installation sites are located not far from

1600 Cathedral Place 925 West Georgia Street Vancouver, British Columbia Canada V6C 3L2 Telephone 604 685 3456 Facsimile 604 669 1620

www.lawsonlundell.com

Vancouver Calgary Yellowknife the Australian Capital Territory (ACT) which is where Actew poles are installed. The distribution poles leading into the properties and in the backyards were initially installed similarly the ActewAGL poles (ie. in residential backyards) and there is now a serious problem with accessing and changing the condemned poles.

The Essential Energy 2012 trial of the RS poles was conducted with the use of a the ActewAGL lifting beam (on loan) that is used in the installation of RS poles. The trial was a success and Essential Energy have advised that there will be a significant increase in future orders of Module 2&3 poles similar to those that ActewAGL purchase.

<u>Undertaking 4</u> - The following companies were advised of the results of the RS Fire Test, some of these companies' representatives that Armor deals with were advised face-to-face with the provision of hard copy reports, however others were advised via email.

These companies include:

- Ausgrid (formerly Energy Australia),
- Essential Energy (formerly Country Energy),
- SPAusnet,
- Western Power,
- ActewAGL,
- Energex,
- Ergon,
- Powercor,
- Aurora,
- Integral Energy,
- Horizon Power,
- Power & Water,
- Transgrid.

Undertaking 5 - Stock on hand at June 30th 2012 included

- 1 x Module 1,
- 1 x Module 2,
- 4 x Module 3,
- 1 x Module 4,

Various hardware components including

Base plates Blind-nuts Top-caps Pole steps Hole-plugs J-bolts

Undertaking 6 - In the past 2 years we have sold poles with accompanying hardware to:

ActewAGL Essential Energy(Country Energy) Ausgrid(Energy Australia), Vertical Innovations

Hardware components for the RS poles have been sold to:

ActewAGL
Essential Energy(Country Energy)
Ausgrid(Energy Australia)
Ergon
Energex

<u>Undertaking 7</u> - For the ActewAGL tender, there appears to be 3 tests/standards that RS did not conform to:

- 1. Non Conformance to Surface Burning Tests: ASTM E84 & Building Materials Fire Tests BS476-7:1997. This standard was specified in the tender, however the RS poles had not been tested to.
- 2. High Voltage tests AS 1931.1-1996 & Resistivity Tests IEC 60093 Ed 2.0. This standard also specified in the tender and RS poles had not been tested to.
- 3. A Destructive bend test of a combined module 2&3 (currently supplied configuration). This test information also specified as a tender requirement.
- 3. Response Affidavits The process order is also silent as to the timing of delivery of any response affidavits. We enclose an affidavit sworn by Doug Oldfied in response to Mr. Fecht's affidavit, specifically in respect of the hearsay allegations made by him and/or those matters to which he would have no knowledge but has raised in his affidavit.
- 4. Application for Valuation of Claim We note that you have scheduled an application to have the Armor claim valuated, to be scheduled for this Friday. That application is premature given that the disclaimer issue will

not have yet been resolved. We trust that you will adjourn the matter until the disclaimer application has been determined.

We look forward to discussing this matter and moving it forward towards a resolution.

Yours very truly,

LAWSON LUNDELL LLP

Kimberley Robertson

KAR/mbd

cc. McCarthy Tétrault – Attn: Sean Collins, Counsel for the Monitor (scollins@mccarthy.ca)

COURT FILE NUMBER

1301-02432

COURT'

COURT OF QUEEN'S BENCH OF ALBERTA

JUDICIAL CENTRE

CALGARY

IN THE MATTER OF THE COMPANIES CREDITORS ARRANGEMENT ACT, R.S.C.

1985, C. C-36, AS AMENDED

AND IN THE MATTER OF THE ALBERTA
BUSINESS CORPORATIONS ACT, R.S.A. 2000.

e. B-9 AS AMENDED

APPLICANT

RS TECHNOLOGIES INC.

DOCUMENT

AFFIDAVIT

ADDRESS FOR SERVICE AND CONTACT

INFORMATION OF
PARTY FILING THIS

DOCUMENT

LAWSON LUNDELL LLP Barristers & Solicitors

3700, 205 - 5th Avenue S.W. Calgary, Alberta T2P 2V7

Attention:

Kimberley A. Robertson

Telephone:

(403) 269-6900

Fax:

(403) 269-9494

AFFIDAVIT OF DOUG OLDFIELD

Sworn on July _____, 2013

I, DOUGLAS OLDFIELD, of 192 Crown Street, Darlinghurst, In the City of Sydney, New South Walcs, Australia, MAKE OATH AND SAY THAT:

1. I am the Australasian Sales Manager of Armor Utility Structures Pty Limited ("Armor"), and as such have personal knowledge of the facts hereinafter deposed to, save and

except where such facts are stated to be based on information and belief, in which case I verily believe the same to be true.

- 2. I am authorized by Armor to make this affidavit in response to the Affidavit of Galon Fecht, sworn June 13, 2013. For the ease of reference, I will refer to the paragraphs of Mr. Fecht's affidavit to which I am responding.
- 3. In specific response to paragraph 8, I note that Mr. Pecht has not provided any admissible evidence to support the conclusions and opinions contained therein in respect of ActewAGL ("Actew"). In particular, the conclusion that Armor has not actively marketed the RS Poles, has applied extremely high markup "given that" Actew fails to provide local inventory, and that Armor has failed to provide adequate customer service is not true. These conclusions ignore the relationship and history between Armor and Actew. In particular, the following is of note:
 - (a) Throughout 2012 and 2013, I have personally actively assisted Wayne Cleland (Senir Standards Manager) and Bob Spence (the field Crew Manager) from Actew in developing work standards methods for pole replacement, involving participation with field erew training at the Actew facility.
 - As to the stock levels, the level of Actew's consumption requires container load purchases, and until the Actew Request For Tender was released in 2013, stock storage for Actew at our facility has not been required to service Actew's needs at all, nor has it been requested by Actew. This has not been required as the requirement of Actew for the Module 2,3 RS poles it at a level of approx average of 60 poles per month and a full 40 HC container holds 66 poles. I have been present (or have had a representative present) at every Actew container unloading after arrival by sea or air before delivery to Actew, and to the best of my information no issue has ever been raised to Armor directly as to a need to maintain local inventory.
 - (c) In 2012, Actaw had several quality concerns ("QC") which were raised by Wayne Cleland, the Senior Standards Manager. However, these were addressed. In particular, during this time I travelled a number of times to meet with Actew to

take part in their internal QC inspections. These QC issues have been resolved and, based on the feedback I received from Wayne and his employees, they are very satisfied with the product.

- (d) Until RS poles sought to disclaim our distribution contract, I had never been told by anyone on behalf of Actew, nor had anyone with Armor told me that they had been advised by anyone at Actew, that Actew had any concern that Armor was not supplying adequate customer support. In fact, if there is any concern with customer service, based on what has been said to me by Wayne Cleland and Derek Pether of Actew, it is that RS Poles has shown no urgency in responding to Actew's technical & quality queries. These were queries that the Actew Standards department has insisted on manufacturer's clarification. It is of my understanding that this was required for Quality Assurance (QA) and insurance purposes. This is something that RS Poles is required to provide directly and was outside of Armor's ability to provide.
- 4. In specific response to paragraphs 11 and 14 and the conclusion that Armor has failed to adequately market the poles or establish a sufficient presence in the Territory, Armor has established fully the market that has been available to date.
- Affached as Exhibit "A" is a true copy of an email sent from Mr. Fecht. To me on April 16, 2010 referring to an article from 2007, which references the ENA trial that the Australian utilities participated in. The majority of the poles that were ultimately used in the trial were delivered in 2008 and most participating companies took several years to install the majority of the poles purchased. The article states "In-service trials could take some years, with the poles not expected to be fully endorsed for service in Australian locations for at least four to five years."
- 6. The utility industry is characterized by government and ex-government departments, with a product that is generally long lasting, and it is unreasonable to expect a fast adoption of a new product. I have been advised by Galen Fecht previously that this factor has been a major obstacle for RS in all arrears (not just the Territory serviced by Armor), and has greatly contributed to the situation that RS find their company in. However, this does not arise from any failings of Armor.

- 7. To the extent there is a market and/or customer base other than Actew, we have always been open to developing a relationship with that customer base.
- 8. In specific response to paragraph 13, the direct enquiries that were made to RS, and forwarded to Armor, as being a customer source within the Territory, were in fact followed up on by me. That they did not result in contracts was not as a result of a lack of contact by Armor. In particular:
 - Kirk Electrical Lyndon Kirk I engaged in discussions with Lyndon Kirk, during which he advised me that he is a contractor specializing in the installation of 6.5m property lead in poles and was interested in exploring the suitability of RS poles for this application. Previously, he had been purchasing steel poles for approximately AUD\$120. I quoted him on container quantities of the RS Module 1&2 equivalent. Out landed price to deliver them to Lyndon in North Queensland was in excess of AUD\$1400, more than 11 times his steel equivalent buy price. Lyndon determined that the RS pole was, therefore, not an option. Even without our mark-up, it was clear during our conversation that the RS Poles were too expensive for them.
 - (b) <u>Julian Challingsworth & Brad Miller from the Limus Group</u> The Litmus group are consultants to various industries including electrical. While I attempted to contact both men several times, and left several messages to phone me as I was returning their inquiry to RS Poles, I received no return calls.
 - forwarded through RS Poles. Instead, Mr. Feeht forwarded to me information about the company that he had found on the internet, specifically regarding Transmission projects that Transgrid was involved in. Armor forwarded information to Transgrid regarding the RS product to solicit interest. However, Transgrid has advised us that they are reluctant to use the RS poles as they did not have the required Bush Fire resistance and almost all of their projects are in Bush. Fire zoned areas. They have instead opted for steel and concrete alternative.

- 9. Armor has adequately directly marketed the RS product to all major potential Utilities in the Australian market. Since I took on my position at Armor, RS have not forwarded or advised me of any direct enquiry from a major utility or a member of the Energy Network of Australia other than the recent interaction with ActewAGL.
- 10. In specific response to paragraph 15 and Mr. Fecht's statement that Actew is the only significant customer that Armor has developed in the Territory is misleading. We have recently been involved in significant marketing efforts in respect of Ausgrid & Essential Energy, as follows:
 - Ausgrid (Australia's no 1 utility). There has been significant work undertaken with Ausgrid, through their Managers Trevor Moss & John Egger. Ausgrid has invested in a lifting beam as utilised by Actew. Author had involvement in organizing this machinety, which came at a cost of approx AUD\$36,000, a significant commitment by Ausgrid. I have quoted on (see attached) and been given a verbal undertaking that Ausgrid will be placing an order in the vicinity of AUD\$100K for a mixed container of Module 1&2, Module 2&3, and Module 1,2,3 combinations in 2013. A true copy of the email quote to Ausgrid is attached as Exhibit "B"
 - (b) Essential Energy The 12 poles purchased in 2012 are part of a new trial being conducted by Essential, (headed up by Bradley Pierce, the Designs Project Manager) with regards to the suitability of RS poles for use in backyards. The installation sites are located not far from the Australian Capital Territory (ACT) which is where Actew poles are installed. The residential electricity distribution has a similar design with the poles installed in the backyards and there is now a serious problem with accessing and changing the condemned poles. The Essential Energy 2012 trial of the RS poles was conducted with the use of a the ActewAGL lifting beam. The trial was a success and Bradley Pierce has advised that

- there will be a significant increase in future orders of Module 2&3 poles similar to those that ActewAGL purchase.
- (c) The above mentioned and the other members of the ENA are still officially in the assessment stage of the 2008 ENA trial, as referenced in the article quoted in Mr. Fecht's email attached as Exhibit "A".
- In specific response to paragraph 17 and the claim that Actew would seek an alternative to the RS Poles unless RS did not submit a direct bid is contrary to what Wayne Cleland of Actew has previously advised me. In particular, in a face-to-face meeting between myself and Mr. Cleland, Mr. Cleland advised me that Armor would be receiving a supply agreement from Actew for the supply of backyard poles and that Actew was alming to commit all of its major suppliers to a supply agreement.
- 12. Further, Actew's ability to appoint an alternative supplier is, in my opinion based upon my knowledge of their supply needs, having supplied to them for some time, very unlikely. Wayne Cleland and Bob Spence from Actew have designed their own "Assembly and Installation Guide" for their installation crews, which is based solely on the RS product. A true copy of the Assembly and Installation Guide is attached as Exhibit "C".
- During my time spent with Bob Spence of Actow, and the field crews doing installation. I have always received the feedback that the RS pole is the best. In addition, I was advised that while Actow had looked for other alternatives, as it is in Actow's commercial interest to have 2 suppliers to guarantee continuous supply, the belief is that the RS poles perform the best for the Actow application. From feedback I have received from Bob Spence and an Actow member of the Standards department, Actow has no viable no alternative to the RS Poles. Accordingly, it is my belief that there is no reasonable probability that RS will lose the the Actow business.
- Although there is no direct or sworn evidence from Actew that the RS Pole supply agreement is in jeopardy in any way, any such assertion must be viewed under the lens that Actew would benefit from the disclaimer of Armor's distribution agreement, as it could then negotiate a better deal itself by "cutting out the middle man".

- Further, I can confirm that Amor has continued to move forward with the Actew Tender process. Cath Collins, the Actew Contract Specialist, has made confact on several occasions since the tender submission. The communication has been with regards to the tender assessment progress with particular interest in how Armor has progressed with our Audit for ISO 9001:2008 accreditation, which is a prerequisite for supply with regards to the Actew pole tender. Attached as Exhibit "O" is a true copy of an email exchange with Ms. Collins in this regard. Amor's audit was successful on the 19th June audit and accreditation was received on 28th June, 2013...
- 16. I make this affidavit in response to the Affidavit of Galen Feeht sworn June 13, 2013, and to advise the court as to those matters outside the knowledge of Mr. Feeht, and to address the assumptions and conclusions erroneously made by him in his affidavit as a result.

SWORN BEFORE MB at the City of). London United Kingdon, this 1 h day of). July, 2013.

A Commissioner for taking Affidavits or Notary Public within The United Kingdon,

C. L. HORDWELL, SUCICITION

A. A.S. HEDLEYS, Solicitors, 26 Old Brompton Road, Specia Kensington, Landon SW7 3111. 920 7584 6733 THIS IS EXHIBIT "A" TO THE AFFIDAVIT OF DOUGLAS OLDFIELD MADE BEFORE ME this

ay of JULY, 2013

A Notary Public or Commissioner for Taking
Affidavits for The United Kingdom

VOLKS HEDLEYS, Solicitors, 26 Old Brompton Road, South Kensington, London SW7 3DL

Teleprone: 020 7584 6733

From:

Galen Fecht [Galen:Fecht@grouprsf.com]

Sent:

16 April 2010 15:11

To:

Doug Oldfield

Subject:

Article

Hi.Doug,

Thappened to come across this article from 2007:

Fibre Composite Power Pole Trial

Electricity distributors Ergon Energy and Energex have put composite power poles on trial in various parts of Queensiand.

Minister for Mines and Energy: Geoff Wilson said the trial was part of a consortium bid to explore the suitability of fibre composite power poles. "The State Government is encouraging a move away from hardwood timber poles taken from state forests," Mr. Wilson said.

"Fibre composite power poles could ultimately lead to a more environmentally-friendly version of overhead electricity line supports. While fibre composite poles are expected to cost slightly more than hardwood poles; they could offer a number of benefits. For instance, pest and rot resistance; low inspection and maintenance costs, a longer service life and cheaper transport and construction costs due to its lighter weight," Mr. Wilson said.

In-service trials could take some years, with the poles not expected to be fully endorsed for service in Australian locations for at least four to five years:

Minister Wilson said an international lender for a trial batch of 140 fibre composite poles was launched last year by the Energy Networks. Association with the support of the Queensland Department of State Development and Trade.

The fibre composite poles will be tested at various sites across the state as well as trial sites in Victoria and New South Wales. They'll be tested for resistance to extremes of temperature, humidity, lightning and attacks from termites and tungus. The poles will be subjected to high voltage laboratory tests as well as strength and resilience tests to ensure they meet Australian Standards.

Publication Date: 15/04/2007

Here is the website: http://www.netcomposites.com/news.asp?4308

Galen Fecht

Director, Business Development

RS Technologies (TSX: RS), 400, 2421 - 37th Avenue NE Calgary, AB T25,677
Toll Free: +1,877,219,8002
Nain: +1,403,219,8000
Cell: +1,416,560,7620

Fax: +1.403.219.8001 Email: galen.fecht@grouprsi.com

www.RStandard.com



THIS IS EXHIBIT "B" TO THE AFFIDAVIT OF DOUGLAS OLDFIELD MADE BEFORE ME this Gay of JULY, 2013

A Notary Public of Commissioner for Taking
Affidavits for The United Kingdom

VOLKE HEIMEYS, Solicitors, 26 Old Brompton Road, South Rensington, London SW7 3DL Telephones 020 7584 6733 From:

Doug Oldfield [doug@armoraustralla.com] 08 March 2013 05 09 'Trevor Moss'

Sent

To:

Subject:

Attachments:

FW: Ausgrid Proforma Pro Forma Invoice 96.pdf; Ausgrid Quote 95.pdf

Hi Trevor

Please find attached pro forma invoice for the toggle bolts attached and quote for the mixed pole container.

There is currently about an 8 week lead time for despatch from Canada for the poles and then approx 6 weeks from door to door on top of that.

Kind Regards,

Dong Oldfield

Australasian Sales Manager Armor Utility Structures Pty Ltd 448 The Boulevarde Kirrawiee, NSW 2232

(ph) +61 2 9521 1901 (mob) +61 (0) 414 905 288 (fax) +61.2 9521.1941

Quote

Quote#:

00000095

Date:

8/03/2013

A.B.N.

71 114 052 096

Phone:

02 9521 1901

Fax:

02 9521 1941

Email:

doug@armoraustralia.com

Bill To:

Ausgrid Accounts Rayable GPÖ Böx 4009 Sydney 2001

448 The Boulevarde Kirrawee NSW 2232

Customer PO:

Ship To:

Ausgrid Address to be advised.

	Amount	Code	
Description 6.x Composite Pole 8m, 5kN @ \$2333.00 per pole (excl. GST)	\$13,998.00	GST	
24 x Composite Pole 9.7m 8kN @ \$2796.00 per pole (excl. GST) (Drilled as per ActeWAGL Spec.)	\$67,104,00	ĞST	
6 x Composite Pole 13.5m @ \$3385.00 per pole (excl. GST) -(Full size M0103)	\$20,310,00	est	

FIS Homsby or Sydney Metropolitan.

Terms: Net 14 days:

Customer ABN:

Freight: GST:

\$10,141.20

\$0,00 GST

Please pay by cheque or EFT to:

Total Inc GST; Amount Applied: \$111,553.20 \$0,00

Armor Australia Pty Ltd ANZ: - BSB 012-262 Acc No. 186326585:

Balance Due:

\$111,553.20

Please quote invoice number as your reference and email remittance to accounts@armoraustralia.com.

THIS IS EXHIBIT "C" TO THE AFFIDAVIT OF DOUGLAS OLDFIELD MADE BEFORE ME this 914 day of JULY, 2013.

A Notary Public or Commissioner for Taking
Affidavits for The United Kingdom

VOLKS HEDLEYS, Solicitors, 26 Old Brompton Road, Solicitor Swington, London SWI 3DL Televious 821 7584 6733





Assembly & Installation Guide (Metric)

INFRASTRUCTURE FOR LIFE®



RS Technologies

www.RStandard.com

Email info@grouprsi.com Toll Free +1 877 219 8002 Phone +1 403 219 8000 Fax +1 403 219 8001

233 Mayland Place NE Galgary, AB T28 728







Assembly & buddlester Guide

Table of Contents

Foreword :	4
1.0 Module Information	5
E.O Equipment and Safety	6
3.0 Pole & Module and Code Legendross or accommons accommo	J.
4.0 Receiving and Unloading	
5.0 Un-Nest Role Modules	₽
- 5.1 Remove shipping bolt	9; 8;
- 6.1 Fit modules together for vertical installation	9. 10
- 7.1 Module standard drilling	
~ 7.2 Insert jacking lugs into pre-drilled holes	11
- T.S Bouble wall jacking lugs as a construction of a construction of the construction	11
- 7.4 Install jacking lpg safety device	12.
- 8.1 Attach come-alongs to jacking lugs	13
9.0 Secure Joint	13
- 9.1 Drill holes for the blind nut	1,4
- 9.2 restall blind nuts	歃
- 10-1 insert J-Belts into pre-drilled base plate holes	16
- 10.2 Attach base plate walng J-Balta, washers and nuts	16
II.O Install Top Cap	<u>ï</u> .7.
12.0 Set the Pole	18
Revised by Bob Spence 24 April 12 to be Approved document V5 By RS	٠

Foreword

Misclaimer:

The following instructions are RS Technologies' recommendations regarding the repeiving, assembly and installation of RStandardE modular composite utility poles and communication structures. These recommendations are intended to supplement ActeWAGL standard drawing 391-740-11 and work instruction FSF =217.

Recommended procedures do not cover all possible variations in equipment design or provide answers to all specific installation and operating guestions which may occur. As such please contact your local RS representative should you have any questions about procedures that are not covered in this guide.

Standard Items Delivered With Estandard Poles:

- 1, Joint Hardware (eg blind nut, washers, boilts and hole plugs per joint)
- 2. One Base Plate (per pole).
- 3. Four J-Bolts Note and Washers (for base plate)
- 4. One Top Cap (per pole)
- 5. Four Self-Tapping Screws (for top cap)

Additional Accessories Available From RS Upon Request:

- 1. RStandard Jacking Lugs (4 or more are required to assemble a pole) REQUIRED
- 2. Drill Bits. Composite Drill Quad Tip or appropriate with Pilot for slip joint holes in slots; regular carbide tipped bit for other holes on the pole REQUIRED
- 3. Pole Steps. Optional

1.0 Module Information

	Module: Label	Length (in)	Thickness (cm)	Mass (kg)	Tube Taper (mm/m)	Lap Length (m)	Tip Diameter (cm)	Base Diameter (cm)	Standard Base Plate Diameter (mm)	N-1 Base Plate Diameter (mm)
. '.6) i	6.147	1.18	98	9.09	0.516_	19,22	24.81	325.9	N/A
Units	1.)	4,615	1:18	6 9	9:27	0.516	20.53	,24,81	325.9	A\Ñ
5	2	5.385	0.965	77	20.22	0.69	21.01	: 31.0	400.6	3259
1	3.	5.3	0,965	102	20.26	0.851	. 28,16	38.9	471.5	400.6
Metric	4.	5.774	0.965	136	20.14	1,024	34.77	45.4	546	. 471,5
	'5	5.789	1.03	163	20.59	1.196	42.14	\$4.06	621,4	546
	5/6	149,63	1.18	. 350	1971	0.	42.13	63.08	709.7	621.4
;	6/7	10.63	1,08	408	20,52	1.584	49.1	70.91	790.1	709.7
	8/\$:10:095	1,165	543	20.17	1,964	65,59	87.56	940.5	N/A.
i	10/11	11.24	1:165	680	19,88	· ø	81.19	103.53	D15.7.5	. NZA

	Module Labol	Length (ft.)	Thickness (in.)	Weight . ((6s.):	Tube Taper (in /ft)	Lap Length (ft.)	tip Diameter (in.)	Base Diameter (in.)	Standard Basa: Plate Dlameter (in.)	N-1 Base Plate: Diameter (in.)
	FL.	20.167	0.465	2161	0,109	1.691	7.567	9.768	1283	N/A
2 3:	1	1.5r¥41	0:465	152,1	0.111	1.694	8.083	9.768	12.83	NZA
Chrits	2:	17.667	0.38	169.8	0.243	2.264	8:27.2	12,559	18.77	. 1283
	3	17.389	0.36	224.9	0.243	2,792	11.087	15315	18.56	1,5,77
(mperial	3	18,944	0.38	29918	0.242,	336	13.689	18,268	21.49	18:56
륟	.5	18.993.	0.406	359.4	0.247	3,924	16.591	21:284	24.46	21:49
\P	576	34.875	0.465	771.6	07236	0.	16.387	. 24.835	.2X'94	24,46
	6/7	34.875	0,425	809.5	0,246	:5:1.97	19,331	27,917	3[,1,]	27.94
	. 8/9	35.745	0.459	1197.1	0.242	6,444	25,823	34:472	37-03	N/A
	10/11	36,872	0.459	1(199.1	0.239	.0	31.965	40,76	43,0)*	N/A

Note: Medules used for ACTEWAGL are modules 2 and 3.

^{*} INSTEREST OF A 24:6757-however will bake plain they does work:

** PRODITED TO FRAME HAND AND THE ADJUST OF A WORK.

** PRODITED TO FRAME HAND AND THE ADJUST OF A WORK A

- 2.0 Equipment and Safety
- 2.1 Installation Site Equipment Requirements For The RBtandards Pols
- 1. Jacking Lugs
- 2. Jacking Lug Safety Restraints (chains)
- 3. Come-Alongs
- 4. Rubber Mallet (for slip joints tension release during module assembly)
- 5. Spanner/socket with capabilities from 14 mm (for J-Bolts) to 29 mm (for blind nuts)
- 5. #8 Hex Head socket with drill attackment (to install top cap screws)
- 7. Drill (gas, hydraulic or battery operated) with appropriate dust extraction or containment
- 8. 29 nm Composite drill quad tip bit or approprate/other sizes as necessary if field drilling is required)
- 9. Chalk Line (for axial marking if field drilling is required)
- 10. Circular Saw with Diamond Blade (if modules will be field out)
- 11. Permanent Marker (if field drilling or cutting)
- 12. Particle Wask and Safety Goggles (if field drilling or cutting)
- 13. Gloves
- 14. Earth Wire Clips and Solf-Tapping Screws (If ground wire is run externally)
- 15. Fish Dape/Draw Wire/Draw Tape (if ground wire is run internally)
- 16. 30.48 m Tape Measure
- 17. Pole Cant
- 2.2 Safety Motes
- 2.2.1

Refer to the MSDS and consult your safety coordinator for information on Regsonal Protective Equipment required for this task. Always follow manufacturer's instructions when operating the drills and come-alongs.

2.2.2

Always wear gloves when handling the modules.

 $2 \cdot 2 \cdot 3$

Always wear a particle mask when outting or drilling fiberglass. All cutting and drilling equipment must be fitted with appropriate dust extraction or containment accessories to ensure all dust is collected and removed safely from site.

2.2.4

Always wear safety glasses with side stields when cutting or drilling fiberglass.

2.2.5

Always install safety chain when using jacking lugs.

......

3.0 RStandard@ Pole & Module Code Legend

The following pole data uses the RSTandard@ pole opdes: See Figure la/Figure lb. for an understanding of pole and module code components.

from Figure la the sample code denotes a 12 m pole using modules 2, 3 and 4 with the top module cut to achieve the 12 m length.

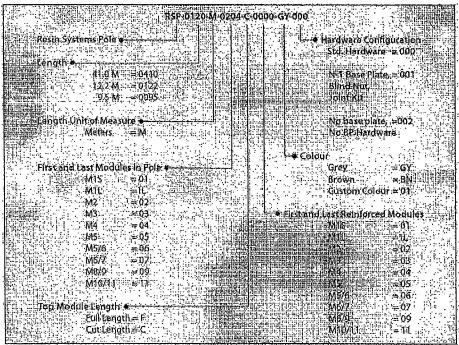


Figure 1a: Pole Code Legend

35

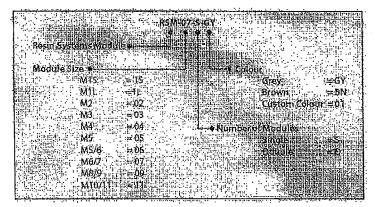
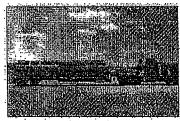


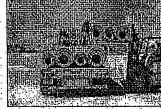
Figure 15: Module Code Legend

4.0 Receiving and Unloading

4.1 Receiving a trailer lead of poles

RStandard® poles are shipped in mested bundles. Depending on the size of the pole, these bundles will be approximately 5.79 m or 11.28 m in length (See Figure 2). Nested Estandard poles can be unleaded using a forklift or boom truck (See Figure 3):





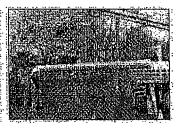


Figure 2: Typical flatbed trailer of RStandard modular poles.

Figure 3: Unloading polas.

Nesting enables cost effective shipping of poles through the use of containers for overseas travel and reduced space on read transport.

5.0 Un-Nest Pole Modules

5.1 Remove shipping belt

RStandard nested bundles are secured with a shipping bolt. To un-mest RStandard modules, this bolt must be removed with a socket of a spanner (See Figure 4). The shipping bolt is located at the base (or larger) end of the bundle and passes through all the modules in the bundle. Ensure that the shipping ensure that the shipping bolt is on the bottom of the nested module set to reduce module movement after the shipping bolt is removed and to avoid possible injury.

Wote: Other blind nut/bolt assemblies may be installed along the length of the module (s) or bundle; these bolts are used to secure double modules used in reinforced poles and SHOURD NOT be removed.

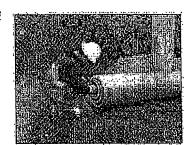
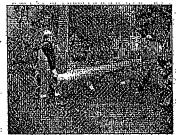
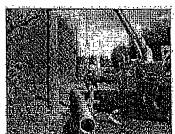


Figure 4. Shipping bolt being removed.





The state of the s

Figure 5: Modules being un nested und laid out for assorbly.

5.2 Un-nest modules and lay but for assembly

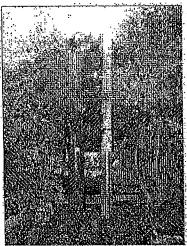
After the shipping bolt is removed, un-hest the modules starting with the innermost (smallest) module first and layout for assembly (See Figure 5). For smaller modules used by ActeWAGL this can usually be accomplished by hand with two to four crew members. For larger modules, handling with a boom truck is recommended to make moving faster and safer.

RS poles bases must be installed in accordance with ActeVAGL Drawing 390-006 and this manufacturer's installation instruction. Ensure section IO Install Base Plate is completed before base is installed

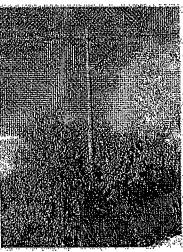
6.0 Line-Up Modules For Assembly

6.1 Fit modules together for vartical installation.

RStandard® poles are designed to be assembled horizontally or vertically. For vertical assembly, the base module should be set and plumbed first as described in the 5.2 above. The subsequent module can then be lifted into place as a preframed single unit by the purpose designed ActeWAGL carbon fibre lifting beam. This activity will be completed by following ActeWAGL procedure PSW 217. The two sections alignment marks need not be used in the case of vertical installation however it is important that the jacking lugs and come alongs are oriented exially with the pole and have minimal twisting around the pole during assembly as this may lead to module rotation during assembly. After the modules are jacked together, a new securing hole must be drilled through base and of the blind nut securing slot in the top section into the tip of the base module of the pole. See 9.1 for drilling details and ActeWAGL Dwg 391-740-11 Drilling details for 9.7m composite fibre pole:







IMPORTANT NOTES:

- When the pole is assembled vertically, the modules are required to be "jacked together" using come-alongs, chains, RStandard jacking lugs and jacking lug safety straps.
- . Once the top section is in place then the pole can be climbed only to a height to access the jacking holes for installation of the jacking logs.

See also Section 10 for installation of base plate

Section it for Installation of pole cap andy

Section 12 for setting the pole.

Hardware installation

Maximum recommended torque to be applied to king and eye bolts through the pole is 67Nm. Without the use of a torque wrench, the nut should be tightened shuggly (until the spring washer is flat, then one additional full turn of the nut should be applied.

6.2 Fit modules together for horizontal installation

For herizontal assembly please mote that once the modules are unimested and laid out in sequence for assembly, it is recommended that the modules be set on "blocking" to keep the modules off the ground and debris out of the sulp joints. This will make it easier and quicker to assemble the modules. Two blocks per module is recommended Remove any debris from the slip joint region, aspecially inside the butt end of the smaller (upper) module to be assembled where the tip of the larger (lower) module will be inserted (see Figure 6):

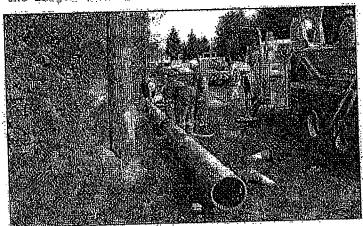


Figure 6: Modules being lined-up on blocks for assembly,

Once the modules are up on blocks, starting with the biggest modules, slide the base of the smaller module over the tip of the larger module by hand using the alignment marks as a guide. Using the alignment marks ensures that the janking lug holes are kept in alignment (See Figure 7 for pole marking details and Figure 8 for an example of modules being fitted together).

Note: Alignment marks will generally appear as text with data including module weight and serial number. Farely will the slignment marks appear as a single solid line.



Flavire 7: Pole marking details.



Ligure A. Modules Denig fitted together by hand in preparation for assembly

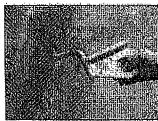
7.0 Install Jacking Lugs

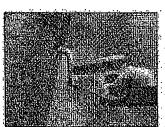
Note: Once the top section is in place (at least 500mm overlap) then the pole can be climbed only to a height to access the jacking holes for installation of the jacking lugs.

Freight Brandard Brailing
Every Retandard module is manufactured with eight pre-drilled locations. There
are two (2) slots and two (2) heles at the base of every module. The two (2)
slots are used for blind nut connections when the module is the smaller (apper)
module in a slip joint and is not the base module in a pole. Both the two (2)
slots and two holes (2) in the module base are used for four (4) 5-bolts to
secure the base plate if the module is the bottom module in a pole combination.
Most modules are also equipped with four (4) jacking lug hole locations with two
(2) jacking lug holes located hear the module tip and two (2) jacking lug holes
located near the module base. These holes are utilized during the pole assembly
process. The exceptions to this are modules 1 and 1 Long that only have two (2)
jacking lug holes located near the base of the module; because these modules
will only ever be at the top of combination, and modules 5/6 and 10/11 that only
have two (2) jacking lug holes located near the tip of the module, because these
modules will only ever be at the bottom of a combination.

T. I Insert jacking lugs into pre-drilled heles

Insert four jacking lugs into the pre-drilled jacking lug holes. Two jacking lugs holes are located at 180 degrees to each other at the same height on opposite sides of the pole near the base of the smaller module and four jacking lugs holes are located at 90 degrees to each other near the top of the larger base module (See Figure 9). Ensure that the lugs are fully inserted and flush, with the pole wall to prevent damage so the pole wall or jacking lug. See also ActeWAGL Bwg 391-740-11 Drilling details for 9.7m composite fibre pole.







Figuress, trakkig tag being inserted into pre-drilled jacking lag fible

7.3 Double wall vs Single wall jacking higs

When assembling two standard single wall (SW) modules, four single wall jacking lugs are required.

ActewAGL only purchase single wall modules for back yard pole installations. This section is for information only,

SW jacking lugs are stamped with the following:

H-JL-S

DD/MM/YYYY

MADE IN CANADA

RStandard® modules are also available in a double wall (DW) configuration where two of the same module have been assembled at the factory and secured with blind nut/bolt assemblies. It is important not to remove these bolt assemblies in the field. Additionally, these DW modules will require additional blind nut/bolt assemblies installed in pre-drilled locations along their length in the field after the entire pole has been assembled. Double wall modules may have a short section of the inner module protruding from the outer module at the base or be trimmed flush with the base of the outer module. Care should be taken in identifying these modules prior to pole assembly.

For assembling two DW modules, four DW jatking lugs are required.

For assembling one SW and one DW module, two SW and two DW jacking lugs are required.

Note: The SW and DW jacking lugs should be used only in their respective modules. It is critical to use the correct type of jacking Lugs for SW and DW modules as improper use could result in damage to the module(s).

DW jacking lugs are stamped with the following:

H-JL-D DD/MM/YYYY

MADE IN CANADA

MAX LOAD: ST DOUBLE WALL ONLY

Note: The H-JL-S and the H-JL-D were formerly stamped RSX-1 and RSX-1DW respectively and are all compatible with RSTandard modules.

7.4 Install jacking fug safety device

Wrap the jacking lug chain around the module at each jacking lug location. Ensure that the thain passes through the large hole in the jacking lug. Fasten

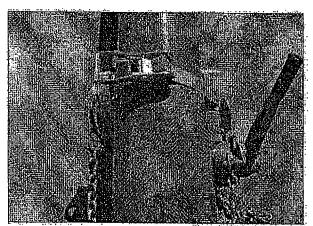


Figure 10: Jacking thig sylld safety strop instaffed correctly.

the quick-link on the chain. The chain should be as smug as possible but not tight (some minor stack is expected in the chain. See Figure 14). The use of slings to secure the jacking lugs is no longer recommended by the manufacturer (Fig 10).

Note: The use of safety chains is mandatory when assembling RStandard® modules. Failure to use a safety chain could result in serious injury.

8.0 Assemble Modules

8.1 Attach come-alongs to jacking hugs

ActeWAGE poles have four jacking holes placed at 90° intervals around the top section of the base unit. This alleviates the need to align the two sections using the alignment markers on the poles however it is important that the jacking lugs and come alongs are oriented axially with the pole and have minimal twisting around the pole during assembly as this may lead to module rotation during assembly.

For other pole types ensure that the modules being assembled are "lined-up" using the alignment marks.

Attach come-alongs to the jacking lugs on both sides of the pole (See Figure 11). It is recommended that 3 ton come-alongs are used to ensure that slip-joints are brought together properly.

8.2 Winch modules together

After the come-alongs are securely attached to the jacking lugs, which modules together using equal force on both sides. During this process ensure that the longitudinal alignment between the modules is maintained (See Figure 12), Note: This alignment is not a requirement for ActeWASL backyard pole installations.

It is important that each glip joint is assembled securely. Gontinue winching PAST the detted minimum overlap line until the joint is sind (See Figure 12 and 13). During the assembly process use a rubber mallet on the butt of the smaller (upper) medule to relieve any built up stress in the slip joint resulting from uneven jacking pressure or module surface irregularities. Due to slip joint telerance, the base of the top module may or may not pass the solid QC gauge line during pole assembly. Winching should continue until the slip joint is tight. If damage occurs to the jacking lug hole(s) during assembly, contact your local RS representative.

Note: The solid horizontal QC gauge line is used for manufacturing process quality assurance purposes and is not the maximum slip joint overlap (See Figure 12).

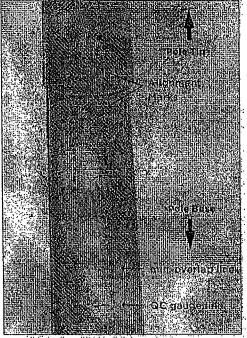
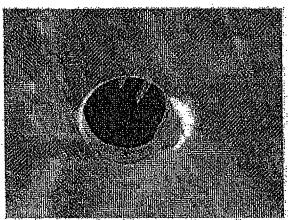




Figure 12: Alignment and nilnimim line markings.

Figure 18: Modules being winched together.

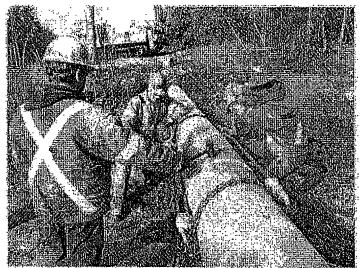
Note: When jacking the poles together using the come-alongs, it is important to closely watch the pole wall laminate at the four (4) jacking lug hole locations where the force from the come-alongs is transferred from the jacking lugs to the modules. Limited ovalization is acceptable (see the photo below) however if any tearing of the pole wall laminate is observed, the jacking process should be stopped immediately.



Jacking lug hole with acceptable ovalization.

Tip: Once the come-along chains are tensioned, a rubber mallet can be used throughout the jacking process to impact the base of the top (smaller) module in the slip joint to alleviate any uneven tension that has built up (see the photo below). If the pole is being assembled vertically, load the come-alongs with 1-2 handle strokes and then strike the base of the top (smaller) module 2 in the slip joint with the rubber mallet. Continue this

process until the slip joint is completely assembled. It can be common for the top smaller module to slip down 0.5-2.0cm when impacted with the rubber mallet.



Impacting the base of the top (smaller) during the assembly process.

9.0 Secure Joint

9.1 Drill holes for the blind nut

Once the joint is tight and fully seated, drill through the inner modules at the base end of the slot in the outer module with a 29 mm drill bit using the preout slots as a guida (See Figure 14). The drilled hole should be located as close to the base-end of the slot as possible (See Figure 15).

Note: The slot is 22 mm wide to argommodate the bolt used in the blind nut. The hole is drilled oversized to allow the insertion of the blind nut





Mining is a nill both to the continue to the



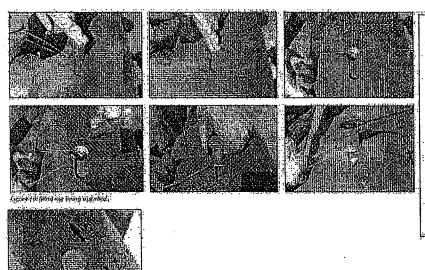
Drill bit tio.

9.2 Install blind outs

Insert blind not into drilled hole and pull back on the cable to center the not in the drilled hole. Next, thread the bolt by hand, ensuring that the biling out is kept in line vertically (parallel) with the pole center line (see Figure 16)... Pulling the blind but sable to the side of the pole will automatically align the blind nut vertically. If the blind nut is horizontal: parallel to the ground, it may damage the pole wall. Once the bolt is threaded, tighten it with a socket or a crescent wrench. Repeat on the opposite side of the pole,

Revised by Bob Spence 24 April 12 to be Approved document V5 By RS

Figure F.E. Blicket not after Install Wilds.



For any remaining modules that need to be assembled, repeat the procedures for assembling the modules, inserting the jacking lugs, jacking the modules together and securing the joint.

Note: After completing the blind nut instablation at the alip joints, trim the blind nut cable (See Figure 17).

NOTE: Once the bolts and blind nuts have been installed on the slip joint then the pole can be deemed serviceable.

10.0 Install Base Plate

10.1 Insert J-Bolts into pre-drilled base plate holes

Insert four J-Bolts from the gutside of the module into pre-drilled base plate holes located at the bottom of the base module (See Figure 18).

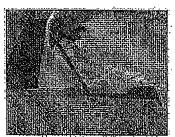


Figure 18-1 balts being favored to pin-delled base pares to so the base of the boltom module.

III.2 Attach base plate using J-Bolts, washers and nuts Place the appropriately sized base plate on the base of the pole and align the base plate with the J-Bolts installed. Thread J-Bolts through the slots on the base plate and then attach the washers and outs by hand (See Figure 19). After all four J-Bolts are secured and the base plate is centeredy tighten each nut with a socket of prescent wrench.

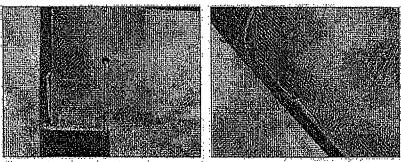


Figure 19: Align base plate stots with I-Bolts and Install washers and nut on each I-Bolt to hold. Gase plate hiplace. Standard base plate on the left, M-1-base plate on the right.

Note: RStandard poles are shipped with the standard base plate. For installations where a smaller diameter base plate is required, the 'N-1' base plate option can be utilized and ordered accordingly. See page 3 of this Assembly and Installation Guide for base plate options and dimensional information.

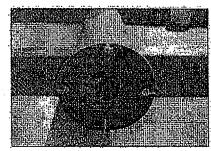


Figure 20: Standard base plate properly. Installed.

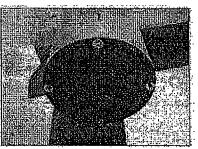


Figure 21: N-1-base plates properly installed: Note: For the 'N-1' base plate option, the £Boltomust be installed on the laside of the base module.

11.0 Install Top Cap

Place the correctly sized top cap on the top module of an assembled pole and secure with four self tapping \$8 hex head screws to pole using the pilot holes in the top cap (See Figure 22).

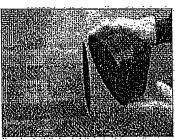


figure 22: Top cap being installed.

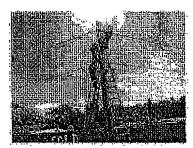


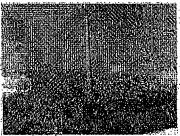


12.0 Set the Pole

It is recommended that hylon slings be used in conjunction with the ActeMAIL Lifting clamps when setting RStandard poles. The poles are very light, tapered structures, so the balance point for the pole is easy to find. It is typically incated close to the center of the pole, towards the butt end. Once the proper Eulerum point for hoisting is found, industry standard practices can be followed for estting the pole.

Note: Confact between Ritandard poles and sharp, hard, or abrasive tools and equipment should be avoided. These can damage the pole by scraping the surface. If this contact cannot be avoided, a buffer material (rubber, carpet, etc.) should be used.







RS Technologies

www.RStandard.com

Email Info@grouprsi.com
Toll Free +1 877 219 8002
Phone +1 403 219 8000
Fax +1 403 219 8001

233 Mayland Place NE Calgary, AB T2E 728

For more information on this product contact:

RSAIG(m) V2 20

[&]quot;RStandard" and "infrastructure For Life" are registered trademarks of RS Technologies inc.

^{*}Disclaimer - The information contained herein is offered only as a guide for RStandard poles and has been prepared in good faith by technically knowledgeable personnel. This size is for information only and could be modified without notice. Printed in Ganada.

THIS IS EXHIBIT "D" TO THE AFFIDAVIT OF DOUGLAS OLDFIELD MADE BEFORE ME this day of JULY, 2013

ANotary Public or Commissioner for Taking
Affidavits for The United Kingdom

Solicitors, 26 Old Brampion Road, South Remaingion, London SW7 3DL From:

Collins, Cath (Cath Collins@actewagl.com.au) 21 June 2013 02:53

Sent:

To:

Doug Oldfield

Subject:

RE: ActeWAGL RFT046 - Technical confirmation requirements for Armor

Good morning Doug, Thanks for the update. Regards,

Cath Collins JP Confract Specialist ActeWAGL (Wed-Fri Coly)

T: 02 6295 4283 | F: 02 6248 3102 | GPO Box 366, Camberra ACT 2601 www.actewagl.com.au

Please consider our environment before printing this email.

From: Doug Oldfield [mailto:doug@armoraustralla.com]

Sent: Thursday, 20 June 2013 1:24 PM

To: Collins, Cath

Subject: RE: ActewAGL RFT046 - Technical confirmation requirements for Armor .

Hi Cath

Our Quality Certification yesterday by SAI Global went well yesterday and I am glad to say that we passed. We should have the certificate within 2 weeks.

Kind Regards,

Australasian Sales Manager Armor Utility Structures Pty Ltd 448 The Boulevarde Kirrawee, NSW 2232

(ph) +61 2 9521 1901 (mob) +61 (0) 414 905 288. (fax) +61 2 9521 1941

From: Collins, Cath [mailto:Cath.Collins@actewagl.com.au]

Sent: Friday, 14 June 2013 12:42 PM

To: 'Doug Oldfield'

Subject: RE: ActewAGL RFT046 - Technical confirmation requirements for Armor

المعاصرة والمراب والمراب والمراب والمنار والمناول والمناو

Good afternoon Doug,

I just thought I would give you a quick update on the progress of this tender evaluation.

We will not meet the schedule that was outlined in the original tender document, and are not expecting a decision until later this month or early July:

If you could provide us with an update as to how your Quality Certification Audit goes next week that would be greatly appreciated.

Regards,

Cath Coffins JP Contract Specialist ActewAGL (Wad-Fn Chily)

T: 02.6295 4283 | E: 02.6248-3102 | GPO Box 366, Cariberta ACT 2601 www.actewagl.com.au.

Please consider our environment before printing this email.

From: Doug Oldfield [malito:doug@atmoraustralia.com]

Sent: Friday, 24 May 2013 4:25 PM

To: Collins, Cath

Subject: RE: ActewAGL RFT046 - Technical confirmation requirements for Armor

Hi Cath

Audit is booked in for the 19th June

Kind Regards,

Dong Oldfield



Australasian Sales Manager

Armor Utility Structures Pty Ltd.

448 The Boolevarde

Kirrawce, NSW 2232.

(ph) +61 2 9521 1901 (mob) -61 (0) 414 905 288 (fax) +61 2 952] 1941 From: Collins, Cath [mailto:Cath.Collins@actewaqi:com.au] Sent: Friday, 24 May 2013 3:23 PM To: 'Doug Öldfield' Subject: RE: ActewAGL RFT046 - Technical confirmation requirements for Armor Good afternoon Doug, Just a quick follow-up in relation to your Quality System response. You have stated that you are expecting certification by the end of July, have you been provided with an actual date for your certification audit? Thank you, Cath From: Doug Oldfield [mailto:doug@armoraustralia.com]

Sent: Wednesday, & May 2013 12:32 PM

To: Collins, Cath

Subject: RE: ActeWAGL RFT046 - Technical confirmation requirements for Armor

Hi Cath

Please see the responses in Red below and attachments.

Kind Regards,

Dong Oldfield



Australasian Sales Manager

Armor Utility Structures Pty Ltd.

448 The Boulevarde

Klirawce, NSW 2232

(ph) +61 2 9521 1901

(mob) +61 (0) 414 905 288

(fax) +61 2 9521 1941

From: Collins, Cath [mailto:Cath:Collins@actewagl.com.au]

Sent: Wednesday, 1 May 2013 12:41 PM

To: 'Doug Oldfield' (doug@armoraustralia.com)

Subject: ActewAGL RFT046 - Technical confirmation requirements for Armor

Importance: High-

Good morning Doug.

Thank your for submitting your tender for the supply of composite libre electricity poles.

Before we can continue with our evaluation, the following information is required from you.

Mandatory Criteria 10 - Quality System - We note that Armor has provided us with a certificate
acknowledging you have applied for ISO9001 Certificate. Have you been given any indication of
the timeframe it will take for the certification process to be completed/initial assessment conducted.
We are expecting certification by end of July.

1. Can you provide us with a copy of your Quality Manual, or evidence of your responses to Dequestionnaire responses 4-11. (we note you have provided your quality policy that incets the requirements of question 3) Quality Manual Attached. Thave provided an abbreviated summary. Please advise if you require a more comprehensive answer on sections of interest.

2: Schodule D2 - Non-compliance & Qualifications

D3.2 - Financial Information

We note that Armor has not provided the requested financial information at 1932 us it is against compariy policy. As you will appreciate, the financial viability of companies that provide services for such critical infrastructure is of the utmost importance:

- 1. Can Armor provide responses to D3 2(b) Armor has No threatened or pending liftgation. claims or undischarged judgements or orders(c)? Major debtors: AUS Exclusively sells the RS pole and related hardware, Armor Utility Structures over the last 12 months has sold only to a handful of Australian Utilities, including ActeWAGL, Ausgrid, Essential and also a local recreational pole user. At present there is nil outstanding creditors: The major creditor is RS and there are 2 LC's raised to purchase the current ActeWAGL, orders and a smaller LC for 1 order from the recreational pole application.
- 2. If Armor were to be shortlisted for this contract, would you provide the requested information, or a Statement of Financial Viability from your accountant that covers: Yes if Armor is shortlisted.
 - 1. Value of current assets
 - 2. Value of ourrent liabilities
 - 3. Net profit ratio (%) (net profit divided by revenue)
 - 4. Gross profit ratio (%) (net profit divided by revenue)
 - 5 Return on assets (%) (net profit divided by total assets)

6.Cap Armor provide responses to 173,2(b) and (c)? See above.

D12 - Key Performance indictors

ġ.

- 3. Is / will Armor be developing systems to report key performance indicators. It is quite simple for Armor to develop a system to monitor KPI's. The main KPI will be accuracy of delivery (timewise) and conformity of product. If successful Armor will gladly monitor and provide quarterly KPI's. Armor has a perfect record with ActewAGL of 0 rejects from over 2200 poles supplied.
- 4. Is Ainor currently able to provide any performance criteria information (such as Delivery in Full on time) I have reviewed the orders from ActewAGL for the last 12 months. The delivery dates compared to the estimate does not give a true indication of on time delivery as we worked diligently with your procurement department and common orders were rescheduled and amended, thus increasing the variance of delivery date compared to original estimate.

Part B6.1 (contract terms)

 Please confirm that Armor does not have the same Insurance limitations as specified in the RS non-compliance documentation provided by you. T assume you mean RS's CAD\$15M. Armor has \$20M Public and Product Hability insurance (see attached)

Technical queries

We understand you may need to seek additional responses from your manufacturer for these questions, they will be asked for the same technical information, and given the same deadline to respond.

 A20, 21 and 22 of the Schedule has conflicting information. We require confirmation of the following:

Design/working load is 8kN and not the stated 34. IkN (Option 1) Provided PLS calculations in the tender documentation appear to support this assumption. Module 0203 9.5m 8/32kN sold as an 8ke working load 32kN Ultimate load.

- 1. 34.1kN is the expected failure load at the tip for option 1
- 4. Tender section A5, RS document: Kinectrics Electrical Test Report 11, April 2006 is not signed.

 Copy of the signature page is required. Refer RS, If RS have not rectified this, than we are unable to.
- 5. There does not appear to be a test to destruction of a combined module two and three (currently supplied configuration). This test is required. Refer RS. We have requested this from RS proviously. however it has never been available. Unless RS have conducted one recently for the tender, it is not available.
- 6. As per clause 16 of the technical specification to FMEA has been provided. This is a mandatory requirement of the tender (see page 16 of the Request for Tender document). Limited pole user isk assessment has been completed in the installation instructions. Although it appears that RS have covered all of the perceived modes of failure in all the tests they have completed there is no summary of risk and risk mitigation available. If RS have not supplied, we are unable to supply
- 7. As per clause 13.3.2 of the technical specification no confirmation of the minimum electrical resistance of 10.5 Ohms was made available nor was there any test information provided around leakage current for polluted poles. Refer RS response. If RS have not been able to supply, then we are unable to.

8. To confirm that adequate information is available for future inspection and maintenance we require the provision of RS document numbers WI-7013, WI-7014 and WI-7015. Please refer attached.

Please provide responses to the queries above by Wednesday 8 May, 5:00pm Australian Eastern Standard time

Cath Collins JP Contract Specialist

ActewAGL

(Wed-Fri only)

T: 02 6295 4283 [F: 02 6248 3102: GPO Box 366 Canberra ACT 2601

www.actewagl.com.au





Presse consider our environment before moting this email.

TREE CAST NOTE: This excell and any algebrainism by confidential if repeated in order, passes double-all copies and advise the sender. The reproduction or discontinuous this chall excellent interpolation in the sender.

visitolitifi (Et viriusEs, Dur compilier systems aveep skinolitig ekstil to grant entiriet kinosee, but od warranty s grant that him ophalfur (to allaminente are virus frest server openika or using attachments, please chick for riceses Cau libbity is limited to the essuppy of any, stancing antichments.

Any Mara Especied to this meetings are these of the native under except where the enter expressly, and who pulled by especial them to the wholeys of the *FILEASE NOTE: This email and any attactorents may ine contribution in recently in error, please delice all replacement all allows the sender. The reproduction of dissembation of the emotion is allactiments is periodical housing consent of the series.

The second state of the property and the plant was for the Marie Comment of the State of the Sta

Watching at latteres, our compact appear appears upon the property of the compact appears the compact appears the compact of t Private openhages using attribute to the resembly of any affected ethickinents.

Any viores expressed in this massage are thicke of this Individual annuar, except where the spinder expressiv. and with authority, states them to be the views of the de la continuada dan de es enques conquisitadas de experientes de escribilidades de expensadas de encondes es Calabria BROM

FLERBE NOTE: Distantal and any attachments may te contiental, the enved in error, please delete all espons and advise the swinder. The reproduction of dispermination of this condition its attachments in prohibited without the consent of the winder.

Writing all Alberta and The teachers and the second support of any conditions are alleged to the second of the sec

Arry mews eargreses in the message are the seciency second in the second exigerals alticus; - poete existraciones experianación a cinicam en propietam historial experiencial de la constantación de la

ત્રાના ભારત અને અને પ્રતિકાર ભારત, ભારત (૧૯૧૧)ના કોઈન અહિલાના ક્ષેત્રોના છેલા કોઈને કોઈને કોઈને અહિલાના કાર્યક ત્રામાં મુખ્યાના કોઈને અહિલાન પ્રતિકાર હતું કાર્યક અભાગના છેલા કોઈને કોઈને કોઈને કોઈને અને અને અમાન કોઈને કોઈન "PLEASE NOTE" this email and any associations may pe confidential, if assolved in error, pleass) delete air copies and advise the estader. The reproduction or diparamination of this eroal acits attachments is prohibited behavior the consent of the sender.

tercolling as Virtuser: the computer spaces execute conducts and the special example spaces. Follow menomby secured the special examples are shell no menomby secure special experiments and she from visuals. Our habity is the life to the he-solohy at any allighted alpoinments.

Any vious expressed in this moseage statibless of the included useder, except where the sender expressly, and with authority states them to be the views withe and the state of t