Listing of Copper - Grade A Brands

Guidance Notes for Applicant Producers
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1. Copper producers wishing to apply for the listing of a brand by the LME will only be considered providing that:

   i) The producer has been in business for at least 12 months.

   ii) The production plant has been in production for a minimum of 12 months or, if in the opinion of the LME Copper Committee adequate production capacity utilisation and satisfactory quality has been achieved, at an earlier date.

   iii) Has a capacity to produce a minimum of 15,000 tonnes per annum of Grade A copper cathodes.

2. The producer is required to advise the LME in writing of the name of the Category 1-5 Member Company who will be processing the listing application (see Rule Book Part 7, Rule 1). Thereafter, all correspondence will be via the selected Member Company. A list of Members Categories 1-5 expressing a general willingness to assist producers list their brands can be found here:-

   https://www.lme.com/~/media/Files/Warehousing/Approval-process/Brand-Applications-Members-List.pdf

3. Production from more than one production plant must be separately listed. Each production plant must have a different brand name.

4. The application is in two stages and all documentation must be submitted in English.

5. The LME and LMEC reserve the right to discuss without restriction any information provided with any regulatory body; any third party provider of KYC, screening or other monitoring services; or any other persons or organisations, as the LME/LMEC may in their absolute discretion decide, and to make such other enquiries as they think fit (including using the information provided by the Producer in such enquiries).
Stage One

The producer is to supply information with an Application Letter on his headed notepaper addressed to the LME as follows:

1. The name of the LME Member processing the application.
2. The full name and address of the producer to be listed by the LME.
4. Details of the ownership of the producer.
5. The address of the production plant.
6. The first date of production of the plant.
7. The name of the brand the subject of the application.
8. The first date of production from which the producer guarantees the brand as meeting specification.
9. The design capacity.
10. The current annualised use of capacity.
11. The monthly production figures for the previous 12 months.
12. The brand name for any non-Grade A copper cathodes not recycled in the production plant which must differ from the brand name used for the listing application.
13. The names of three Testers from the list of LME Approved Testers for Copper provided at the end of these Guidance Notes which the producer intends to use for testing (Stage Two). Evidence of the Testers’ willingness to test is to be submitted. Prior approval will be required from the LME Copper Committee to use the named Testers.

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1 Note that the signatory and their position within the producer company must be shown on the dated Application Letter.
The following information is to be provided by attachments to the covering Application Letter:

A. The latest externally audited financial statements of the producer.

B. A copy of the incorporation certificate of the producer.

C. Photographs of the cathode product.

D. Photographs of strapped bundles (side and top profile), including close up of clips bearing the brand name, alternatively with the brand name continuously marked on the straps. It must be clear from the photographs that the copper is strapped in two dimensions.

E. Provide a sample clip or section of strap showing the brand name.

F. Drawings of a cathode and bundle showing all dimensions in mm and weights in kilos. Also the applicant is required to state with the drawing of the bundle the following phrases:

(i) Each bundle is securely strapped in two dimensions with material protected against corrosion and of sufficient strength and fixing to permit safe handling by fork lift truck without bundle distortion and breakage.
(ii) The bundle size and shape is suitable for safe and secure stacking.
(iii) The bundle assembly and security is such that on removing the security straps it remains an integral free standing bundle.

G. Each bundle requires having on it, by label or other indelible markings, data that identifies the producer, the production date and reference. Provide a copy of any label used which must be plasticized.

H. A Letter of Undertaking issued by the producer in accordance with the draft at the end of these Guidance Notes dated and signed by the same person as the Application Letter.

I. An outline of the production process including a process flow diagram.

J. A production site plan/diagram.

K. A paper giving the sampling and analytical regime and advising if any aspect of this work is outsourced. Show the detection levels used for determining impurities.

L. A schedule of the analysis data for the previous three months for all grades produced at the plant reporting all elements of the EN 1987:1998 specification of Cathode Designation Cu-Cath-1. The detection limits used for quality assessment are to be tabled. Explanations are to be given if any element is not assessed batch by batch.

M. Provide a list of names of Continuous Cast Copper Rod (CCR) mills that you have supplied in the last 12 months and confirming you have no objection to the LME approaching the named mills for opinions of the applicant brand.

N. A copy of the current ISO 9001 Certificate or, alternatively, that of ISO/TS 16949.

O. Also at Stage One, payment of the fee for applying for the listing of a copper brand is required. The fee is US$65,000 plus UK VAT and it is non-refundable.

NB. Value Added Tax (VAT): Under current UK legislation, the LME understands that LME members established in the UK submitting applications for their own production operations or for third party producers must pay UK VAT to the LME at the ruling rate at the time of application, regardless of domicile of the producer. LME members should only on-charge UK VAT to producers established in the UK. LME members not established in the UK making applications do not have to pay UK VAT to the LME regardless of the location of the production operations. This information is for guidance only and relevant parties should always seek their own advice in relation to tax matters. The LME will have no liability for reliance on the above.

At Stage One, it is the producer’s responsibility to ensure that the information complies with the Special Contract Rules for Copper-Grade A, LME Rules Part 6 and to ensure that no testing is to take place until approval to do so is given by the LME.
Stage Two

On receipt of all information the LME will respond to the application as follows:

1. Request such additional information as required.

2. The producer will be informed of the testing programme which, without commitment by the LME, is normally three separate quotas of 200 tonnes to each Tester produced at approximately monthly intervals.

3. The LME reserves the right to require that cathodes for testing are selected in a random manner by an LME Listed Sampler and Assayer (LSA) and at the expense of the producer.

Random Selection is normally used where any production plant is producing routinely more than one quality and/or where there is insufficient supporting information on quality from third parties at time of Application for formal testing.

4. The LME will write directly to the Testers advising them of their nomination and requirements for tests. The Testers selected to perform the evaluation of cathode brands will be expected to undertake thorough sampling of wire-rod selected in such a manner as to ensure that there is no contamination from other cathode brands melted immediately prior or immediately following the subject brand. Complete chemical analysis for all specified elements together with spiral elongation (SEN) and AR values and measurement of electrical conductivity will be required. Such evaluations to be completed within 3 months of arrival of each quota at the Testers’ works. The LME Copper Committee agrees to permit one Tester in the three to be selected from the LME Approved Testers for Copper – Grade A Brand Applications shown as not performing the SEN test.

5. The producer is required to provide the LME with their analysis for the production batches that are sent to the three Testers for evaluation.

6. The LME reserves the right to require testing to be extended if, in its sole opinion, such action is necessary for evaluation of the brand. This may include and is not limited to, additional quality testing on the reserve rod (1.2 metres in length) of each of the three coils set aside by the Testers. The Rod Mill/Tester to carry out this work will be chosen by the LME. Any additional or extended testing will be for the cost of the producer.

7. The producer and/or LME Member making the listing application will be responsible for making all the testing arrangements with the Testers.

8. On completion of the evaluation of each of the quotas to be delivered, the Testers will be required to submit a report showing the results of tests with comments on the physical appearance of cathodes tested and any problems encountered in their use.

9. The Testers will be required to confirm that the cathodes have been found to comply with Standard BS EN 1978:1998 cathode designation CU-CATH-1 in all respects and are suitable for the manufacture of wire-rod in accordance with Standard BS EN 1977:2013 Cu-ETP1 (CW003A) grade. ASTM Designation B115-10 (2016) cathode Grade 1 and Designation B49-17 wire rod Grade UNS C11040, or, Standard GB/T 467-2010 cathode Grade A and Standard GB/T 3952-2016 Grade T1, may be used as a reference point by Testers for the purpose of reporting analytical impurities.

10. Subject to the receipt of satisfactory reports from the Testers and any need to invoke clause 6 above, the LME Copper Committee will make a recommendation to the LME Executive Committee that the brand should be listed as suitable for delivery against the Copper Grade A contract.

11. The LME reserves the right to inspect any producers’ operations at any time prior to or post listing of a brand for verification of any aspect of the listing process at the cost of the producer.
From time to time the LME will request every producer having listed brand(s) of copper, to re-affirm the undertakings originally given at the time of listing. Failure to comply with the undertakings or supply evidence of continuing compliance with the ruling specification and requirements may result in the delisting of the brand(s) concerned. If the producer fails to notify the LME promptly of any change in the information supplied with its original application, or if such changes are in the LME’s view material, then the LME’s Executive Committee may suspend the listing or delist the brand.

The listing of any brand is subject to the provisions of Rules 3 to 7 inclusive of Part 7, of the Rules and Regulations of the LME which provide as follows:

3. Subsequent to listing any alteration or additions to the details given at the time of listing by the producer are to be notified to the Exchange. A brand may be suspended from listing or delisted at the discretion of the Directors if any such changes are not notified to the Exchange promptly or if there are changes in the information given at the time of listing which the Directors consider to be material or if the producer fails to comply with any undertaking given to the Exchange.

4. Brands may be listed, suspended or delisted at the discretion of the Directors, who are entitled to make such investigations into the producer as they may deem appropriate at any time before, during or after the application for listing. No listing shall become valid until particulars of the brand concerned have been posted on the Exchange for 28 days.

5. Should any complaint as to the quality of any listed brand be brought to the notice of the Directors, they shall have the right to investigate the brand in question and the right to suspend deliveries onto warrant until quality is proven to the satisfaction of the Directors. If after such investigation the Directors are not satisfied with the quality of the listed brand, then the brand may be delisted at the discretion of the Directors.

6. The Directors may, at their discretion, waive or amend any of the listing requirements. Producers must comply with this Part of the Rules and Regulations, the listing requirements, as well as with any variations to those and with any applicable Notices issued by the Exchange.

7. Neither The London Metal Exchange nor any of its Directors or other officers shall be under any liability whatsoever either in contract or in tort to any Member or other person in respect of any act or omission in relation to the listing of any brand of metal or the maintenance, suspension or termination of any such listing.
Draft of Producer’s Letter of Undertaking: Copper

This letter must be issued by the applicant producer on headed paper, signed and dated and show the signatory’s position.

London Metal Exchange
10 Finsbury Square
London
EC2A 1AJ
United Kingdom

Attention: Mrs Liz Sullivan
Brands Listing Manager, Physical Operations Department

(INSERT DATE)

In consideration of the LME listing our Copper Grade A (insert brand name) Brand in its list of brands deliverable in fulfilment of its Copper Grade A Contract.

1. We (insert company name) undertake that the quality of our Copper Grade A brand (insert brand name) produced at (insert name and address of smelter) will meet with the requirements of the LME Contract for Copper Grade A conforming with the BSEN 1978:1998 Cathode Grade Designation Cu-CATH-1 and its quality will be maintained in accordance with the lots supplied for testing.

2. We also undertake that any complaints we may receive with regard to the quality will be investigated without any restriction on the period within which such a claim may be made.

3. We undertake that we will not attempt to restrict (insert brand name) brand from being delivered against the LME Grade A Copper Contract.

4. We further undertake that any change in ownership, financial status, production practice or any other material circumstance will be advised to the LME without delay and to comply with Rules 3 to 7 inclusive of Part 7, of the Rules and Regulations of the LME, any amendments thereto and any Notices issued by the LME [and communicated to us by fax or post or e-mail to the above address]. We fully understand that the LME has the full right to require re-evaluation of the brand of cathodes the subject of this letter if, in its sole opinion, the LME decides that there is any material change to the listing conditions and/or any subsequent changes in our production process post-listing.

5. This letter of undertaking shall be governed by English law. The courts of England shall have non-exclusive jurisdiction to settle any disputes in relation to this letter of undertaking.

Yours sincerely

Signature ……………………………………………

Name …………………………………………………..

Position in Company ………………………………..
Strapping Specifications for Metals Producers

1. Steel strapping for all metals, polyester strapping for primary aluminium, aluminium alloy, tin, lead and zinc ingots

<table>
<thead>
<tr>
<th>Strap</th>
<th>Size</th>
<th>Average strength (Newtons)</th>
<th>Applied tension (Newtons)</th>
<th>Joint</th>
<th>Joint strength</th>
<th>Working range elongation</th>
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<tbody>
<tr>
<td>Polyester</td>
<td>15.6 mm x 0.9mm</td>
<td>6000</td>
<td>3500</td>
<td>Metal Seal</td>
<td>60%</td>
<td>2 – 3.5%</td>
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<tr>
<td>Polyester</td>
<td>15.6 mm x 0.9mm</td>
<td>6000</td>
<td>2500</td>
<td>Friction</td>
<td>80%</td>
<td>2 – 3.5%</td>
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<tr>
<td>Steel</td>
<td>19mm x 0.63mm</td>
<td>12000</td>
<td>7000</td>
<td>Seal-less</td>
<td>80%</td>
<td>0.1-0.3%</td>
</tr>
<tr>
<td>Steel</td>
<td>19mm x 0.63mm</td>
<td>12000</td>
<td>5000</td>
<td>Metal-Seal</td>
<td>60%</td>
<td>0.1-0.3%</td>
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2. Polyester strapping upgrade for copper & nickel cathodes

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<tr>
<th>Strap</th>
<th>Size</th>
<th>Average strength (Newtons)</th>
<th>Applied tension (Newtons)</th>
<th>Joint</th>
<th>Joint strength</th>
<th>Working range elongation</th>
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</thead>
<tbody>
<tr>
<td>Polyester</td>
<td>19.0mm x 1.0mm</td>
<td>10000</td>
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<td>Metal Seal</td>
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<td>2 – 3.5%</td>
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<tr>
<td>Polyester</td>
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<td>10000</td>
<td>2500</td>
<td>Friction</td>
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<td>2 – 3.5%</td>
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3. Securing of Straps

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<tr>
<th>Tool</th>
<th>Strap material</th>
<th>Joint type</th>
<th>Maximum applied tension</th>
<th>Joint strength</th>
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<tr>
<td>Manual</td>
<td>Polyester</td>
<td>Metal Seal</td>
<td>3500 Newtons</td>
<td>60%</td>
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<tr>
<td>Pneumatic</td>
<td>Polyester</td>
<td>Friction Weld</td>
<td>2500 Newtons</td>
<td>80%</td>
</tr>
<tr>
<td>Pneumatic</td>
<td>Steel</td>
<td>Sealless</td>
<td>7000 Newtons</td>
<td>80%</td>
</tr>
<tr>
<td>Manual</td>
<td>Steel</td>
<td>Metal Seal</td>
<td>5000 Newtons</td>
<td>60%</td>
</tr>
</tbody>
</table>
## LME Approved Testers for Copper – Grade A Brand Applications

### Belgium

**Aurubis Belgium NV/SA**  
Broekstraat  
31 rue du Marais  
B-1000 Brussels  
Belgium  

Contact:  
Mr Martin Sjöberg  
Tel: +49-40 7883 2251  
Mob. +46-709480829  
Email: m.sjoberg@aurubis.com

### Canada

**Nexans Canada Inc**  
460 Durocher Ave.  
Montreal East, QC, H1B 5H6  
Canada  

Contact:  
Mr Florin Teglas  
Tel: +1 514 645 2301 X1030  
Fax: +1 514 645 6280  
Email: florin.teglas@nexans.com

### China

**Guangzhou JCC Copper Product Co., Ltd**  
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Chuangqiang Road  
Zengcheng Area Guangzhou  
Peoples Republic of China  

Contact:  
Mr. Wanghong  
Tel: +86 1802 6335 591  
Email: wangh@jccgz.com

**Jiangxi Copper Company Ltd**  
7666, Changdong Avenue  
Gao Xin District  
Nanchang City  
Jiangxi Province 300096  
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Contact:  
Mr Xiong Jianping  
Mr Zhang Bo  
Tel: +86 791 8271 0129  
Fax: +86 701 3777115  
Email: xiongjp@jxcc.com ; zhb@jxcc.com

**Jiangsu Jiangrun Copper Co., Ltd**  
Jinhui Industrial Park, Guanlin Town, Yixing, Jiangsu, 214251  
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Contact:  
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Tel: +86 510 8729 6981  
Fax: +86 510 8729 0019  
Email: zhxianming@jrcopper.cn

**Nanjing Walsin Metal Co Ltd**  
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Peoples Republic of China  

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Tel: +86 25 8580 5588  
Fax: +86 25 8580 0175  
Email: Jianbo_Tang@walsin.com

**Shandong Xiangrui Copper Product Co., Ltd**  
Xiangguang Road, Shifo Town  
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Peoples Republic of China  

Contact:  
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Tel: +86 635 6555757  
Fax: +86 635 6555700  
Email: ning.cai@xiangguang.com
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>China (continued.)</td>
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</table>
| **Tongguang Copper Rod and Wire Corp**  
Binjiang Industrial Park,  
Xihu 2nd Road,  
Tongling County  
Anhui, 244000  
Peoples Republic of China | Mr Wang Congling  
Tel: +86 56 2586 1118  
Fax: +86 56 2586 0892  
Email: wcl@tlys.cn |
| France | | |
| **Nexans France Lens**  
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62301 Lens  
France | Mr Arnaud Caudreliez  
Tel: +33 361 371 031  
Email: arnaud.caudreliez@nexnans.com |
| Germany | | |
| **Aurubis AG**  
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Tel: +49-40 7883 2251  
Mob. +46-709480829  
Email: m.sjoberg@aurubis.com |
| **Deutsche Giessdraht GmbH**  
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Germany | Mr Martin Sjöberg  
Tel: +49-40 7883 2251  
Mob. +46-709480829  
Email: m.sjoberg@aurubis.com |
| **Codelco Kupferhandel GmbH**  
(Testing at Deutsche Giessdraht GmbH rod mill)  
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Tel: +49 211 17368-12  
Fax:+49 211 17368-18  
Email: hheitling@codelco.de |
| Germany (continued.) | | |
| **MKM**  
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Tel: +49 3476 89 2047  
Email: klaus-dieter.palm@mkm.eu |
| Greece | | |
| **Fulgor Greek Electric Cables S.A**  
Wall Box 11  
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Ag Theodoroi  
Corinth  
P.C. 20100 | Mr George Eleutheriadis  
Tel: +30 6974401622  
Email: geleuther@fulgor.vionet.gr |
<table>
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<tbody>
<tr>
<td><strong>India</strong></td>
<td></td>
</tr>
<tr>
<td>Vedanta Limited</td>
<td>Mr Rakesh Mishra</td>
</tr>
<tr>
<td>Business Square, C-Wing, 2nd Floor</td>
<td>Tel: +91 22 6643 4537</td>
</tr>
<tr>
<td>Opposite Popular Car Bazar</td>
<td>Fax: +91 22 6643 4530</td>
</tr>
<tr>
<td>Andheri Kurla Road</td>
<td>Email: <a href="mailto:rakesh.mishra@vedanta.co.in">rakesh.mishra@vedanta.co.in</a></td>
</tr>
<tr>
<td>Chakala, Andheri (East)</td>
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<tr>
<td>Mumbai 400093, India</td>
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<tbody>
<tr>
<td>Sumitomo Electric Industries Ltd</td>
<td>Mr Kiyotaka Utsunomiya</td>
</tr>
<tr>
<td>1-1-3 Shimaya</td>
<td>Tel: +81 6 6466 5517</td>
</tr>
<tr>
<td>Konohana-ku</td>
<td>Fax:+81 3 6466 5723</td>
</tr>
<tr>
<td>Osaka 554-0024</td>
<td>Email: <a href="mailto:utsunomiya-kiyotaka@sei.co.jp">utsunomiya-kiyotaka@sei.co.jp</a></td>
</tr>
<tr>
<td>Japan</td>
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<tr>
<th><strong>Poland</strong></th>
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<tbody>
<tr>
<td>KGHM Polska Miedz SA</td>
<td>Irena Bogucka-Szewc</td>
</tr>
<tr>
<td>59-301 Lubin</td>
<td>Tel: +48 76 7478 786</td>
</tr>
<tr>
<td>ul.M. Sklodowskiej-Curie 48</td>
<td>Fax: +48 76 7478 809</td>
</tr>
<tr>
<td>Poland</td>
<td>Email: <a href="mailto:Irena.Bogucka-Szewc@kghm.com">Irena.Bogucka-Szewc@kghm.com</a></td>
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<tr>
<th><strong>Russia</strong></th>
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<tbody>
<tr>
<td>ELKAT LLC</td>
<td>Mr Viacheslav Efimov</td>
</tr>
<tr>
<td>2-nd Kabelnaja ul., 2</td>
<td>Tel: +7 495 673-83-91 (92)</td>
</tr>
<tr>
<td>111024 Moscow</td>
<td>Fax: +7 495 777-75-16</td>
</tr>
<tr>
<td>Russia</td>
<td>Email: <a href="mailto:efimov@elkat.ru">efimov@elkat.ru</a></td>
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<tr>
<th><strong>Spain</strong></th>
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<tbody>
<tr>
<td>CuNext Copper Industries S.L.</td>
<td>Sr Juan Antonio Galan</td>
</tr>
<tr>
<td>Avda. de la Fábrica s/n</td>
<td>Tel: +34 957 499 337</td>
</tr>
<tr>
<td>14005 – Córdoba</td>
<td>Fax: +34 957 499 323</td>
</tr>
<tr>
<td>Spain</td>
<td>Email: <a href="mailto:juan_galan@cunext.com">juan_galan@cunext.com</a></td>
</tr>
</tbody>
</table>

| La Farga Rod, S.L.U | Sr Xavier Rovira |
| Ctra. C17 Km.73.5 | Tel: +34 93 859 42 86 |
| 08509 – Les Masies de Volgregà | Fax: +34 93 859 04 01 |
| (BARCELONA) | Email: xavier.rovira@lfg.es |
| Spain | |

**Classification:** Public
<table>
<thead>
<tr>
<th>Location</th>
<th>Company Name</th>
<th>Contact Person</th>
<th>Address</th>
<th>Contact Information</th>
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</thead>
<tbody>
<tr>
<td>Sweden</td>
<td>AB Elektrokoppar</td>
<td>Mr B Jonason</td>
<td>PO Box 914, S-25109, Helsingborg, Sweden</td>
<td>Tel: +46 4219 5352, Fax: +46 4219 5345, Email: <a href="mailto:bengt.jonason@liljedahlbarewire.com">bengt.jonason@liljedahlbarewire.com</a></td>
</tr>
<tr>
<td>Turkey</td>
<td>Sarkuysan A.S.</td>
<td>Mr Sevgur Arslanpay</td>
<td>Emek Mahallesi Asiroglu Cad.No 147, 41700 Darica-Kocaeli, Turkey</td>
<td>Tel: +90 262 676 6600, Fax: +90 262 676 6654, Email: <a href="mailto:ceo@sarkuysan.com">ceo@sarkuysan.com</a>, <a href="mailto:quality@sarkuysan.com">quality@sarkuysan.com</a></td>
</tr>
<tr>
<td>UAE</td>
<td>Fujairah Gold FZC</td>
<td>Mr. Tapan M</td>
<td>Free Zone-2, PO Box-3992 Fujairah (UAE)</td>
<td>Tel: +971 92282454 EXT 250, Fax: +971 9228 2533, Email: <a href="mailto:m.tapan@fujairahgold.com">m.tapan@fujairahgold.com</a></td>
</tr>
<tr>
<td>USA</td>
<td>Freeport-McMoran Norwich Rod</td>
<td>Mr D Wright</td>
<td>41 Wawecus Street, PO Box 970, Norwich, Connecticut 06360, USA</td>
<td>Tel: +1 602 366 8462, Fax: +1 602-366-7305, Email: <a href="mailto:dennis_wright@fmi.com">dennis_wright@fmi.com</a></td>
</tr>
</tbody>
</table>

*Please note that the Norwich Rod Mill does not perform spiral elongation tests*