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# TPV 2018 Conflict Minerals Report

## Table of Contents

Raw Material Procurement Plan-----	P2
2017 Conflict Minerals Program Summary-----	P7
Due Diligence Practice in the Supply Chain-----	P11
Control Mechanism-----	P17
Addressing Concerns-----	P20
Appendix: 2017 Smelter List-----	P21~P40

## **Raw Material Procurement Policy 原材料采购方针**

This report covers TPV's raw material procurement plan. The plan focuses on the actions, progress, and strategy implementation steps to promote the procurement of TPV raw materials (including 3TG) and the concerted and coordinated actions of all departments.

本报告涉及 TPV 公司的原材料采购计划 ,该计划关注的主要是推动 TPV 原材料采购(包括 3TG) 的行动、进展和战略落实步骤 ,各部门协调合作的一致行动力。

## **TPV Raw Material Procurement Plan 原材料采购计划。**

TPV supports and respects internationally-recognized human rights of all people, and is committed to upholding the human rights of employees and workers in our supply chain. As part of our global approach to respecting human rights, we are committed to the responsible purchasing of materials used in our products, to prevent purchasing of the conflict minerals in the Democratic Republic of the Congo and its adjacent areas. We resolutely implement the conflict-free minerals policy to improve the conditions of supply chain, and support regional procurement plans to promote legal trade of the Congo (Kinshasa) and its neighboring countries.

TPV 支持并尊重所有人的国际公认的人权 ,并致力于维护我们供应链中人员的人权 ,作为我们尊重人权的全球方式的一部分 ,我们致力于对我们产品中使用的原材料的采购负责,来防止刚果民主共和国及其毗邻地区的冲突矿产用于我司所采购的原材料上 ,坚决执行冲突矿产政策 ,改善电子供应链的条件 ,并支持区域采购计划 ,促进刚果 ( 金 ) 及其周边毗邻国家未来的合法贸易

Since 2011, TPV has been actively working to promote responsible raw minerals

purchasing and to address the risks associated with mining operations in conflict-affected and high-risk areas. TPV stimulated the “Conflict-Free Minerals Management Procedure” to help companies solve the problems of identification of tin, tungsten, tantalum, and gold (commonly referred to as 3TG or “conflict minerals” ), and responsibilities of each division. Since then, we have implemented a management system for conflict minerals based on the OECD’ s five-step framework for due diligence in the mineral supply chain. We have mapped 99 percent of our supply chain for 3TG and published our responsible purchasing policy and smelter list on our website: Tpv-tech.com. We have also incorporated conflict minerals reporting into our contracts with suppliers, setting up a robust process to identify risks and to remove smelters of concern from our supply chain. To advance our responsible procurement goals, TPV is committed to developing our due diligence system to apply to the purchasing of raw materials beyond those defined as conflict minerals.

自 2011 年以来，TPV 一直积极致力于推动原材料采购，积极识别高风险地区采矿作业所带来的风险并及时反馈解决。TPV 制定了《无冲突矿产管理程序》，通过管理程序、CMRT 调查表帮助企业解决了锡、钨、钽和黄金(通常被称为 3TG 或 “冲突矿物” )的识别及责任分工问题。从关注起，我们 TPV 根据经济合作与发展组织(OECD)在矿物供应链上的尽职调查为框架，为冲突矿物实施了一套管理制度，我们已经掌控 TPV 所使用厂商中 99% 3TG 的供应链，并形成在公司 Tpv-tech.com 网站上发布了我们负责的采购政策和冶炼清单。我们还将无冲突矿物使用纳入采购合同中，致力于从我们供应商选择开始避免冲突矿物质被采用。为了推进我们的采购目标，TPV 形成有效的尽职调查体系与监管体系，以适用于那些被定义为冲突矿物的原材料的采购。

### **Step 1: Establish strong company management system**

- **Published our company' s responsible procurement policy on Tpv-tech.com**
- **Communicated TPV' s Responsible Minerals due diligence expectations to suppliers**
- **Utilized the TPV investigation results which are publicly available on Tpv-tech.com, as the mechanism through which any interested party can voice concerns**

### **Step 2: Identify and assess risks in the supply chain**

- **Establishing a risk review method for responsible mineral source**
- **Identified suppliers in scope and surveyed those suppliers with CMRT**
- **Reviewed suppliers' completed survey to make TPV own conflict minerals report**

### **Step 3: Design and implement a strategy to respond to identified risks**

- **Educated 1<sup>st</sup> tier suppliers on responsible sourcing and human right violation issues**

### **Step 4: Plan an independent third-party audit of the smelter or refiner' s due diligence**

### **Step 5: Report annually on supply chain due diligence**

#### **步骤 1:建立强有力的公司管理体系。**

- 在公司网站上发布了公司负责的采购政策

向供应商传达 TPV 对冲突矿产尽职调查的期望。

调查结果都会公开在公司网站上，任何客户和感兴趣的人都可以关注的我司机制。

#### **步骤 2:识别和评估供应链中的风险。**

- 在过程中建立负责的矿产资源的风险评估方法
- 确定供应商范围，通过 CMRT 调查模板对供应商进行调查。

- 审核供应商完成的调查，绘制 TPV 冲突矿产调查 CMRT。

**步骤 3:**设计和实施一个策略应对已识别风险。

- 在供应链中违反人权和采购的问题策略。

**第四步:**计划对冶炼厂或炼油商的尽职调查进行的第三方审计。

**第五步:**每年报告供应链尽职调查。

## **2017 Conflict Minerals Report 2017 年冲突矿产资源报告**

This report refers to TPV' s Conflict Minerals program, which specifically focuses on the actions and progress towards the responsible purchasing of 3TG.

本报告是指 TPV 公司的冲突矿物项目，该项目专门针对 3TG 负责采购的行动和进展介绍

As part of our global approach to respecting human rights, TPV is committed to the ethical source of minerals including tantalum, tin, tungsten and gold. There is concern that 3TG, often referred to as “conflict minerals,” could originate from certain mines in the Democratic Republic of the Congo ( “DRC” ) which are controlled by armed militias who use the proceeds from the sale of these minerals to fund ongoing conflict in the region.

作为我们尊重人权的全球方式的一部分，TPV 致力于包括钽、锡、钨和黄金在内的矿物资源。有人担心，经常被称为“冲突矿物”的 3TG 可能来自刚果民主共和国的某些地区(“刚果民主共和国”)，这些地区由武装民兵控制，他们利用出售这些矿物的所得来资助该地区正在进行的冲突。

## **Our Company 我们公司**

This procurement report covers TPV Group and all its subsidiaries, which integrates OEM and independent R&D innovation capabilities. Our main businesses include monitors, televisions, and displays, but not include the smaller strategic lie mobile phones, robots and other businesses. Our ODM business covers major e-commerce brands of Europe, United States, Japan and China. Our sales value is 1<sup>st</sup> shipments in monitors and forth in televisions globally for many years. We also have own brand:

AOC, ENVISION, which combines the design, production and sales services.

这份采购报告涉及 TPV 集团及所有子公司范围，公司是集代工及自主研发创新能力的企业，公司主营包含 MNT、TV、Display 三大业务，不包含集团旗下规模较小的战略性手机、机器人等其它业务，公司 ODM 业务包含欧美、日系及国内各大电商品牌，公司 MNT 销量连续多年占据全球第一的出货量，TV 占据第四，同时也拥有 AOC、ENVISION 等自有品牌的设计、生产及销售全方位一体服务的创新企业。

### **Our Products 我们的产品**

Our main products include monitors, televisions, and displays. We also designs, researches, develops, assembles, and sells electronic products such as mobile phones, Pads, robots, cloud-based digital whiteboards, and automotive products.

我们公司是集代工及自主研发创新能力的企业，公司主营包含 MNT、TV、Display 外，还经营手机、Pad、机器人、云端数码白板、车载等电子产品的设计、研发、组装、售后等服务。

### **2017 Conflict Minerals Program Summary 2017 年冲突矿物项目总结。**

TPV manufactures and contracts to manufacture products in which “conflict minerals” (defined in the U.S. Securities and Exchange Commission Release No. 34-67716 as Cassiterite, Columbite-Tantalite (Coltan), Gold, Wolframite and their derivatives, which are limited to 3TG) are necessary to the functionality or production of such products. In order to obtain information on the purchasing of 3TG, we require suppliers to complete Conflict Minerals Reporting Templates (CMRT) on a yearly basis.

TPV 制造过程中因产品功能需要，3TG “冲突矿物” 使用是不可避免的(美国证券交易委员会

第 34-67716 号文件中定义为锡石、铌钽铁矿、黄金、黑钨矿及其衍生物，这些产品被称为 3TG)，为了获得关于 3TG 采购的信息，我们要求供应商每年完成冲突矿物报告模板(CMRT)。通过供应商反馈了解采购零件中是否含有 3TG 通过产地等信息来断定这些产品中的任何一个来源是否满足无冲突要求。

In this reporting year, we see an increase in the percentage of smelters and refiners that are compliant with the Conflict-Free Smelter Program (CFSP) in our supply chain. However, we also identified new sources of concern in our 3TG supply chain, as described in Appendix. We build a responsible and transparent mineral supply chain, and intend to use our increased visibility into potential risks to inform our due diligence. This report describes our approach and our efforts.

在本报告年度，我们看到在我们的供应链中，符合无冲突熔炼计划(CFSP)的冶炼厂和炼油商的百分比有所增加。然而，我们也在我们的 3TG 供应链中找到了新的矿物源，如附录。我们秉承建立一个负责、透明的矿产供应链，并打算利用我们对潜在风险增加的可见性来告知我们的尽职调查。本报告描述了我们的方法和我们的努力。

### **Our Approach 我们的方法**

Researching the origin of minerals through the supply chain is a complex endeavor. As a manufacturer of technology products, we consume components and materials containing 3TG and do not purchase 3TG directly from mines, smelters or refiners. Therefore, to meet our goal of being DRC Conflict-Free, we must collaborate with suppliers.



通过供应链研究矿物的来源是一项复杂的工作，作为技术产品的制造商，我们使用含有 3TG 的组件和材料，但不直接从矿山、冶炼厂或精炼商购买 3TG。因此，为了实现我们在刚果民主共和国冲突等地区不使用的目标，我们必须与供应商进行密切合作。

1. The CFSI' s Conflict Minerals Reporting Template (CMRT) is a widely-used standard form to collect information through the supply chain, including the names of 3TG smelters and refiners. CFSI also manages CFSP, which uses independent third-party audits to assess whether 3TG smelters and refiners have systems in place to assure sourcing of only DRC Conflict-Free materials. We use the CMRT to survey our suppliers and identify smelters and refiners in our supply chain, and the CFSP to determine the country of origin and DRC Conflict-Free status of minerals.

2. From a strategic point of view, suppliers that are compliant with the CFSP will be selected for cooperation, and measures will be supervised over the long term.

1、CFSI 的冲突矿物报告模板(CMRT)是一种广泛使用的标准形式，通过供应链收集信息，包括 3TG 冶炼厂和精炼商的名称。CFSI 还管理着 CFSP，它采用独立的第三方审计来评估 3TG 冶炼厂和精炼商是否符合方针，以确保无冲突材料的采购。我们使用 CMRT 来调查我们的供应商，并在我们的供应链中识别出所有冶炼厂和精炼商是否已按 SFSP 认证。

2、从战略角度选取符合冲突矿产的供应商合作，并长期对其进行措施监管。

## **Our Strategy 我们的战略**

To reach our goal of being DRC Conflict-Free, we set a three-pronged strategy, first on supplier-level engagement where we have the most direct influence, then on

compliance and/or low risk suppliers, and third on TPV' s internal checking and control procedure:

### 1. Engage Supplier in due diligence and conflict-free sourcing

- Survey suppliers using the CMRT
- Offer resources and education on the issue of conflict minerals and best practices in due diligence
- Influence the supply chain to shift to CFSP-compliant smelters and refiners

### 2. Choose compliance and/or low risk suppliers

- Identify new suppliers to avoid potential risk purchasing of conflict minerals
- Promote implementation of CFSP to unavoidable 3TG supply chain

### 3. TPV' s internal checking and control procedure

- Check due diligence of suppliers periodically

为了实现我们在刚果民主共和国无冲突的目标，我们制定了一个三管齐下的战略，首先是在我们最直接影响的供应商层面参与，然后是选择符合或风险低的供应商、第三是企业内部的监管机制。：

#### 1、推进供应商的尽职调查。

- 使用 CMRT 调查供应商。
- 提供关于冲突矿物的资源和教育以及尽职调查的协助。
- 促进供应链，选择符合 CFSP 的冶炼厂和炼油商。

#### 2、企业选择符合安全或风险低的供应商进行无冲突采购。

- 在我们导入新供应链时进行有效识别阻拦
- 无法避免的 3TG 供应链，要求其存在风险的源头进行禁用或促进实施 SFSP 计划。

### 3、企业内部的监管机制。

- 我们对供应链的尽职调查责令相关部门定期进行稽核监管。

#### **Due Diligence Practice in the Supply Chain**

#### **Our Policy and Program Management System 我们的政策和程序管理系统。**

TPV' s Responsible Procurement Policy states our aspiration to be Conflict-Free, and causes that supplier requirements for conflict minerals due diligence are embedded in TPV' s supply chain management. TPV requires our suppliers to adhere to EICC (RBA) Code of Conduct and TPV' s Supplier Code of Conduct, and requires direct materials suppliers to have a conflict minerals policy and conduct due diligence on the source and chain of custody of the 3TG in their products. These same requirements are included in TPV' s Supplier Principles, which is referenced in our standard contracts and purchase agreements.

我们的采购政策是不使用任何风险的冲突矿产,所以在供应链管理中嵌入了对冲突矿物尽职调查的供应商要求。要求我们的供应商遵守 EICC ( RBA ) 的行为准则和符合 TPV 供应商的行为准则,推动我们直接供应商制定冲突矿产政策,对其产品的 3TG 的来源进行尽职调查,这些同等要求也在我们的采购协议中被引用。

In 2017, TPV initiated a high-risk supplier survey, the response rate shall be achieved 100% according to TPV' s strictly demand, the survey also requested the proportion of CFSP certified smelters and refiners shall be more than 90%. In summary, until January 15, 2018, there were 327 3TG smelters or refineries in TPV supply chain, which 304 were involved and certified in CFSP, and remaining 23 are not (7% not-certified). It

meant that TPV already meet 90% compliance. A list of all smelters and refiners is in Appendix. The list covers all suppliers and product category of TPV:

- Some 3TG is purchased from CFSP-compliant smelters or refiners, including smelters or refiners that source responsibly from the Covered Countries;
- Others are purchased from non-certified smelters and smelters that have not yet obtained CFSP certifications, so we are continuously tracing.

This supplier survey and smelter review process constituted our Reasonable Country of Origin Inquiry (RCOI). This RCOI, combined with our risk assessment and mitigation efforts described below, represent TPV' s best efforts to trace the source of the 3TG in our supply chain to the mine or location of origin as necessary.

2017 年，TPV 发起的高风险厂商调查表回复率 100%，这也是 TPV 对自己的严格要求，并且进行 CFSP 认证的冶炼厂和精炼商的占比要控制在 90% 以上。我们根据供应商反馈信息汇总并参考 CFSI 冶炼厂和炼油商的参考清单(认证的 3TG 冶炼厂和精炼商)，截止到 2018 年 1 月 15 日，在 TPV 的供应链中存在 327 家 3TG 冶炼厂或炼油厂，其中 304 家参与 CFSP 且已被认证，剩余 23 家未在 CFSP 认证名单中（未认证占比 7%，符合 90%的管控要求）。附录中有列出我们供应商所报告的所有冶炼厂和精炼商的名单，我们将我们的供应商与我们所涵盖的产品进行了映射，并审查了这些供应商的冶炼厂名单,涵盖每一个产品中分类:

- 一些 3TG 来自符合 CFSP 标准的冶炼厂或炼油商，这些冶炼厂都是在控制范围内的国家。
- 一些 3TG 来源是从未通过认证的冶炼厂和尚未取得 CFSP 认证证书的的冶炼厂采购的，因此我们还有待持续关注。

该供应商的调查和新供应商管控过程构成了我们合理的原产地调查(Reasonable Country of Origin Inquiry ，RCOI)。这个 RCOI，结合我们的风险评估和 SQA 的供应商管理，代表了

我们 TPV 在的供应链中追踪 3TG 来源做的最好的努力。

## **Risk Assessment 风险评估**

Assessing supplier responses 评估供应商的反应

We depend on supplier reports to conduct our due diligence. Therefore, complete and correct supplier reports, as well as supplier cooperation with our commitment to DRC Conflict-Free sourcing, reduces the risk that TPV will purchase products and/or materials containing minerals whose sale financed armed conflict in the DRC.

TPV internal quality procedure defines that except risk-free, all high-risk, low-risk suppliers shall sign “non-conflict minerals declaration” with TPV and guarantee long-term validity. The report given by each supplier to TPV shall be based on what component/material provided.

In analyzing supplier responses to our survey, we found two areas continued to be challenges in 2018: accurate smelter and refiner list, determining and publication of conflict minerals policies.

### Smelter and Refiner List:

Obtaining a complete and accurate list of smelters and refiners in our supply chain is an essential step in the RCOI process. The quality of suppliers’ smelter lists continued to improve in 2017 compared to previous years, with fewer suppliers reporting company names that are not actual 3TG smelters or refiners. However, as would be expected in a complex global supply chain, we continue to receive new smelter or refiner names which must be researched to determine if they are, in fact,

actual 3TG smelters or refiners. In our discussions with suppliers, we noticed that lack of access to smelter data for non-CFSI members is the cause of the data discrepancy. To mitigate this risk, TPV has continued to reach out to suppliers and encourage them to join CFSI and use CFSI' s smelter data.

我们依靠供应商反馈的 CMRT 报告来进行我们的尽职调查。因此 ,完整和正确的供应商报告 ,以及供应商与我们公司签订的无冲突采购承诺书 ,降低了我们购买含有矿产的材料的风险 ,TPV 内部程序文件有规定 ,除识别完全无风险的厂商外 ,针对高风险、低风险厂商需与 TPV 签订<不使用冲突矿产保证书>且长期有效 ,每个供应商的 CMRT 都是针对他供给 TPV 物料中分类为基础进行的。

在分析供应商对我们调查反馈时 ,我们发现 ,2018 年仍然面临挑战:供应商更精准的提供冶炼厂和炼油商名单 ,制定和公布冲突矿产政策 ,在我们的供应链中获得一个完整和准确的冶炼厂和精炼商清单是 RCOI 过程中的一个重要步骤 ,与往年相比 ,2017 年供应商提报的冶炼厂的质量继续提高 ,有的供应商报告的公司名称并不是真正的 3TG 冶炼厂或精炼商 ,然而 ,正如在复杂的全球供应链中所呈现的那样 ,我们将继续获得更精准的冶炼厂或精炼商名称 ,这些名称必须进行研究 ,以确定它们是否实际上是 3TG 冶炼厂或炼油厂 ,事实上 ,TPV 与我们的供应商一样仍处在学习如何确定 3TG 原产地的基础中 ,TPV 且也积极的准备加入 CFSI 成员之一参与项目推导中 ;

#### [Conflict Minerals Policies 冲突矿物政策:](#)

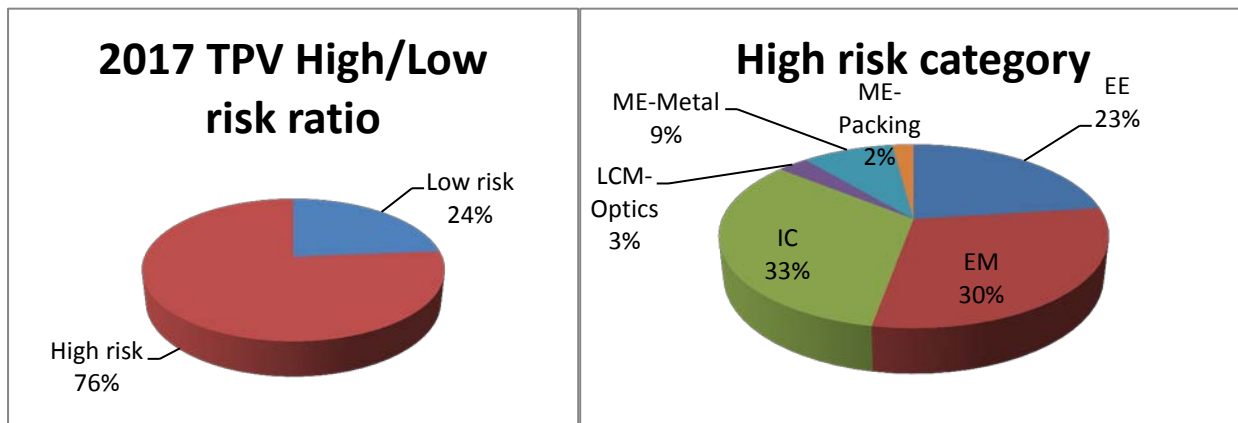
[Suppliers who publish their conflict minerals policy show commitment to responsible purchasing. We found that some suppliers declared that they use 3TG, but either did not have, or had not published, a conflict minerals policy. Under our Conflict Minerals](#)

Policy, we intend to be “DRC Conflict-Free,” not “DRC-free,” and therefore we support responsible purchasing from the Covered Countries in order to support peaceful economic activity in the region. Thus, we announce our policies to suppliers and will help suppliers to do correct implementation.

发布冲突矿物政策的供应商表现出对负责任采购的承诺。我们发现一些供应商他们有使用 3TG，但有的厂商发布政策、有的没有发布政策。在我们的冲突矿物政策下，我们打算避免“刚果民主共和国无冲突”，而不是“无刚果共和国”，因此我们支持来自无冲突国家的负责任采购，以支持该地区的和平经济活动。因此，我们会将政策积极宣导给供应商去执行，这是 TPV 愿意且积极在做的事情。

**Picture 1 Risk of TPV suppliers**

**图 1，制作,TPV 3TG 厂商分布趋势图**



**Risk Mitigation 风险缓解**

In 2016, TPV issued targeted communications to help our suppliers improve their reports and due diligence. At the launch of the supplier survey, we distributed information to help suppliers return complete and accurate CMRTs. As suppliers

returned CMRTs, we reviewed their responses against our internally-developed framework for reasonableness and risk. We also offered guidance to suppliers who did not understand how to determine whether 3TG originated in the Covered Countries, or whose conflict minerals policies indicated that they did not intend to source from the Covered Countries. In 2017 we are maintaining our expectations for suppliers to source from CFSP-compliant smelters and refiners and to take steps to address risks in the 3TG supply chain. While suppliers' due diligence practices and reporting have, in general, improved since 2016, training is still needed.

从 2016 年开始 TPV 与供应商一同改进报告和尽职调查，在帮助供应商做尽职调查的前提下，掌握如何完整和准确的确认 CMRT，当供应商返回 CMRT 时，我们审查合规性以确保其合理性和风险。我们向不了解如何确定 3TG 是否来自被覆盖的国家采购资源或发布冲突矿物政策不打算从被覆盖的国家采购资源的供应商提供了指导。2017 年我们将保持对供应商的关注，从符合 CFSP 的冶炼商和精炼商那里进行采购计划，尽管供应商的尽职调查和报告总体上自 2016 年以来有所改善，但仍需要教育。



## **Control Mechanism 监管机制**

In 2017, TPV survey 484 suppliers to identify high-risk ones with 3TG material used. Each year, these high-risk suppliers shall provide report with most updated CMRT. TPV conducts random check based on report especially focus on answer accuracy of “Due Diligence activities” . The check will be conducted by mail, telephone, etc. to confirm whether the supplier has relevant supporting information meets the Due Diligence guidelines.

针对已经在无冲突矿产清单中购买的供应商，2017 年采购盘查了 484 家，将识别出高风险供应商( 材料中用到 3TG 的供应商 )，每年定期要求供应商提供更新版的冲突矿物报告 (CMRT)，并依据 CMRT 的调查结果对高风险供应商的无冲突矿产管理进行随机抽查 核查供应商 CMRT 调查报告中 “Due Diligence activities” 问题的答复，核查将通过邮件、电话等方式进行，确认供应商是否有相关佐证资料，确认资料是否满足 Due Diligence 指南要求。

The check includes below contents which based on CMRT:

1. Check whether the supplier has formulated a procurement policy that does not use conflict minerals. The policy content shall include: procurement status in the Democratic Republic of the Congo and its neighboring countries. Procurement status shall include conflict-free mineral requirements, commitment to conduct due diligence on the supply chain and promotion to follow The OECD guidelines establishing conflict-free supply chain.
2. Check if the supplier requires the second-tier supplier not to use conflict minerals from the Democratic Republic of the Congo. Is this policy defined in the procurement contract?

3. Check whether the supplier conducts due diligence on the origin of conflict-free minerals? Is supplier's policy about conflict-free mineral supply chain included in the procurement contract to the 2<sup>nd</sup> tier supplier? Does the 2<sup>nd</sup> tier supplier comply with supplier' s conflict-free mineral policy?
4. Check if the supplier annual survey about conflict minerals of the second-tier suppliers be done? What is the way of survey? What data is collected?
5. Check the data provided by the second-tier suppliers meets the expectations of the supplier? Does the survey include corrective action?

稽查内容来自 CMRT ,将可能涵盖如下方面的内容 ,以确认高风险供应链是否维持无冲突矿产采购 :

- 1、 稽查供应商是否制定不使用冲突矿产的采购政策 , 政策内容应包括 : 声明刚果民主共和国及其周边国家的情况 , 采购活动需包括无冲突矿产要求 , 承诺对供应链进行尽职调查 , 承诺按照经合组织的指引建立无冲突的供应链。
- 2、 稽查供应商是否要求二次阶供应商不使用来自刚果民主共和国冲突矿产 , 此政策是否在采购合同里体现 ?
- 3、 稽查供应商是否对无冲突矿产原产地进行尽职调查 ? 是否将公司对无冲突矿产供应链的预期纳入采购合同里向直接供应商传达 ? 是否核实直接供应商遵守其无冲突矿产政策 ?
- 4、 稽查供应商是否每年度开展二阶供应商的冲突矿产调查 ? 是通过什么方式 ? 有收集哪些数据 ?
- 5、 稽查供应商是否验证二阶供应商提供的信息符合公司的期望 ? 验证程序是否包含纠正措施管理 ?

Researching the source of minerals through the supply chain is a complex task. As an assembly OEM, we do not purchase materials directly from mines, smelters or refiners. At this stage, it is impossible to trace the use of mineral materials at each downstream supplier of each material. Instead of that, we rely on the suppliers' reports to do conflict minerals survey. Therefore, the complete and correct supplier reports and the suppliers' procurement contracts reduce the risk of purchasing products and/or mineral-containing materials.

通过供应链研究矿物的来源是一项复杂的工作，作为组装工厂，我们不直接从矿山、冶炼厂或精炼商购买。在现阶段无法追踪到每个料件的各个下游供应商的矿产料件使用源头，我们依靠供应商的报告来进行我们的冲突矿产使用调查，因此，完整和正确的供应商报告以及供应商与我们签核特定的采购合约，降低了购买产品和/或含有矿产的材料的风险。

For non-conformities that had been identified, we have an obligation to promote suppliers' understanding of using conflict-free minerals is an important item in our procurement scoring program. If there is an alternative, TPV prefers to select a reliable supply chain. In 2018, TPV will focus on promoting the establishment of conflict-free minerals management methods in the supply chain, and will continue to conduct random checks on high-risk suppliers, and provide feedback on how to improve policies when necessary.

针对已经识别的不符合项，我们有义务宣导或推动供应商了解使用非冲突矿产的意义，并将该项列入我们的采购评分项目。如果有可替代方案，我们会有限选择或替换为可靠的供应链。

2018 年将重点推动供应链建立无冲突矿产管理办法，并且持续对高风险供应商的导入状况进行随机抽查，在必要时提供如何改进政策的反馈。

## Addressing Concerns 反馈问题

TPV actively encourages its employees and other parties to report concerns either directly to the company or through TPV' s ethics hotline, training course and other reasonable channels. Employees, customers or suppliers of the company can accuse violations of TPVP's ethical behavior or potential violations by specific channel: (Lisali@tpv-tech.com), or by phone (0591-85285555). TPV accepts any positive opinions to minimize procurement risks and increase responsibility to the international community' s actions about conflict-free minerals.

TPV 积极鼓励员工和其他各方直接向该公司提出的关注，在 TPV 的行为准则、公司合规培训材料和其他方面，可以通过各种渠道进行反馈问题，TPV 有专门的投诉渠道：( Lisali@tpv-tech.com )，公司员工、客户或供应商都可对 TPVP 违反道德行为或潜在违法的行为进行指控，还可以通过电话 ( 0591-85285555 ) 进行反馈问题，TPV 接收任何积极的意见并致力于将采购风险管控至最低，积极响应国际社会对无冲突矿产行动的推动行为。

## Appendix: 2017 Smelter List

item	Metal (*)	Smelter Look-up (*)	Smelter Country (*)
1	Tin	Guangdong Hanhe Non-Ferrous Metal Co., Ltd.	CHINA
2	Gold	SungEel HiTech	KOREA, REPUBLIC OF
3	Tin	PT Lautan Harmonis Sejahtera	INDONESIA
4	Gold	Degussa Sonne / Mond Goldhandel GmbH	GERMANY
5	Gold	Morris and Watson Gold Coast	AUSTRALIA
6	Gold	Bangalore Refinery	INDIA
7	Tin	Gejiu Jinye Mineral Company	CHINA
8	Tin	Modeltech Sdn Bhd	MALAYSIA
9	Gold	Modeltech Sdn Bhd	MALAYSIA
10	Gold	Sai Refinery	INDIA
11	Gold	GCC Gujrat Gold Centre Pvt. Ltd.	INDIA
12	Gold	AU Traders and Refiners	SOUTH AFRICA
13	Tin	Guanyang Guida Nonferrous Metal Smelting Plant	CHINA
14	Tin	Gejiu Fengming Metallurgy Chemical Plant	CHINA
15	Tantalum	Power Resources Ltd.	MACEDONIA, THE

			FORMER YUGOSLAV REPUBLIC OF RUSSIAN FEDERATION
16	Tungsten	Moliren Ltd.	
17	Tin	HuiChang Hill Tin Industry Co., Ltd.	CHINA
18	Tungsten	Woltech Korea Co., Ltd.	KOREA, REPUBLIC OF
19	Tantalum	Jiangxi Tuohong New Raw Material	CHINA
20	Tin	PT Menara Cipta Mulia	INDONESIA
21	Tungsten	ACL Metais Eireli	BRAZIL
22	Tungsten	Xinfeng Huarui Tungsten & Molybdenum New Material Co., Ltd.	CHINA
23	Tin	PT Kijang Jaya Mandiri	INDONESIA
24	Tungsten	Philippine Chuangxin Industrial Co., Inc.	PHILIPPINES
25	Tin	PT Sukses Inti Makmur	INDONESIA
26	Tungsten	South-East Nonferrous Metal Company Limited of Hengyang City	CHINA
27	Gold	Ogussa Osterreichische Gold- und Silber-Scheideanstalt GmbH	AUSTRIA
28	Gold	WIELAND Edelmetalle GmbH	GERMANY

29	Gold	SAXONIA Edelmetalle GmbH	GERMANY
30	Tin	PT Bangka Prima Tin	INDONESIA
31	Tin	Metallo Spain S.L.U.	SPAIN
32	Tin	Metallo Belgium N.V.	BELGIUM
33	Gold	L'Orfebre S.A.	ANDORRA
34	Gold	SAAMP	FRANCE
35	Tin	Super Ligas	BRAZIL
36	Tungsten	Unecha Refractory metals plant	RUSSIAN FEDERATION
37	Gold	Abington Reldan Metals, LLC	UNITED STATES OF AMERICA
38	Tantalum	Resind Industria e Comercio Ltda.	BRAZIL
39	Tin	Resind Industria e Comercio Ltda.	BRAZIL
40	Tin	An Vinh Joint Stock Mineral Processing Company	VIET NAM
41	Tungsten	Hydrometallurg, JSC	RUSSIAN FEDERATION
42	Tungsten	Jiangxi Dayu Longxintai Tungsten Co., Ltd.	CHINA
43	Gold	TOO Tau-Ken-Altyn	KAZAKHSTAN
44	Gold	Korea Zinc Co., Ltd.	KOREA, REPUBLIC OF

45	Tin	CV Tiga Sekawan	INDONESIA
46	Tin	CV Dua Sekawan	INDONESIA
47	Tungsten	Niagara Refining LLC	UNITED STATES OF AMERICA
48	Gold	Remondis Argentia B.V.	NETHERLANDS
49	Gold	T.C.A S.p.A	ITALY
50	Tungsten	Hunan Chuangda Vanadium Tungsten Co., Ltd. Wuji	CHINA
51	Tin	Tuyen Quang Non-Ferrous Metals Joint Stock Company	VIET NAM
52	Tin	Nghe Tinh Non-Ferrous Metals Joint Stock Company	VIET NAM
53	Tin	Electro-Mechanical Facility of the Cao Bang Minerals & Metallurgy Joint Stock Company	VIET NAM
54	Tin	CV Ayi Jaya	INDONESIA
55	Tantalum	KEMET Blue Powder	UNITED STATES OF AMERICA
56	Gold	Emirates Gold DMCC	UNITED ARAB EMIRATES
57	Gold	Al Etihad Gold LLC	UNITED ARAB EMIRATES



58	Tantalum	Global Advanced Metals Aizu	JAPAN
59	Tantalum	Global Advanced Metals Boyertown	UNITED STATES OF AMERICA
60	Tungsten	Jiangwu H.C. Starck Tungsten Products Co., Ltd.	CHINA
61	Tantalum	H.C. Starck Smelting GmbH & Co. KG	GERMANY
62	Tantalum	H.C. Starck Ltd.	JAPAN
63	Tantalum	H.C. Starck Inc.	UNITED STATES OF AMERICA
64	Tantalum	H.C. Starck Hermsdorf GmbH	GERMANY
65	Tantalum	H.C. Starck Tantalum and Niobium GmbH	GERMANY
66	Tantalum	H.C. Starck Co., Ltd.	THAILAND
67	Tungsten	Nui Phao H.C. Starck Tungsten Chemicals Manufacturing LLC	VIET NAM
68	Tungsten	H.C. Starck Smelting GmbH & Co. KG	GERMANY
69	Tungsten	H.C. Starck Tungsten GmbH	GERMANY
70	Tantalum	Smelter not listed	AUSTRIA
71	Tantalum	KEMET Blue Metals	MEXICO
72	Tungsten	Ganzhou Yatai Tungsten Co., Ltd.	CHINA
73	Tungsten	Jiangxi Xiushui Xianggan Nonferrous Metals Co., Ltd.	CHINA

74	Tin	PT Inti Stania Prima	INDONESIA
75	Tin	O.M. Manufacturing Philippines, Inc.	PHILIPPINES
76	Gold	Singway Technology Co., Ltd.	TAIWAN, PROVINCE OF CHINA
77	Tungsten	Chenzhou Diamond Tungsten Products Co., Ltd.	CHINA
78	Tantalum	Jiangxi Dinghai Tantalum & Niobium Co., Ltd.	CHINA
79	Gold	KGHM Polska Miedz Spolka Akcyjna	POLAND
80	Gold	Republic Metals Corporation	UNITED STATES OF AMERICA
81	Gold	MMTC-PAMP India Pvt., Ltd.	INDIA
82	Tantalum	XinXing HaoRong Electronic Material Co., Ltd.	CHINA
83	Tin	Smelter not listed	RWANDA
84	Tantalum	Jiujiang Zhongao Tantalum & Niobium Co., Ltd.	CHINA
85	Tantalum	FIR Metals & Resource Ltd.	CHINA
86	Tantalum	D Block Metals, LLC	UNITED STATES OF AMERICA
87	Tin	PT ATD Makmur Mandiri Jaya	INDONESIA
88	Tungsten	Asia Tungsten Products Vietnam Ltd.	VIET NAM

89	Tin	Melt Metais e Ligas S.A.	BRAZIL
90	Tungsten	Ganzhou Seadragon W & Mo Co., Ltd.	CHINA
91	Tantalum	Hengyang King Xing Lifeng New Materials Co., Ltd.	CHINA
92	Tin	Magnu's Minerais Metais e Ligas Ltda.	BRAZIL
93	Gold	Geib Refining Corporation	UNITED STATES OF AMERICA
94	Tin	CV Venus Inti Perkasa	INDONESIA
95	Tungsten	Jiangxi Gan Bei Tungsten Co., Ltd.	CHINA
96	Tungsten	Xiamen Tungsten (H.C.) Co., Ltd.	CHINA
97	Tungsten	Malipo Haiyu Tungsten Co., Ltd.	CHINA
98	Tungsten	Jiangxi Tonggu Non-ferrous Metallurgical & Chemical Co., Ltd.	CHINA
99	Tungsten	Jiangxi Xinsheng Tungsten Industry Co., Ltd.	CHINA
100	Tungsten	Jiangxi Yaosheng Tungsten Co., Ltd.	CHINA
101	Tungsten	Ganzhou Jiangwu Ferrotungsten Co., Ltd.	CHINA
102	Gold	Umicore Precious Metals Thailand	THAILAND
103	Tungsten	Jiangxi Minmetals Gao'an	CHINA

		Non-ferrous Metals Co., Ltd.	
104	Gold	Guangdong Jinding Gold Limited	CHINA
105	Tantalum	Yichun Jin Yang Rare Metal Co., Ltd.	CHINA
106	Gold	SAFINA A.S.	CZECH REPUBLIC
107	Gold	Morris and Watson	NEW ZEALAND
108	Gold	Gold Refinery of Zijin Mining Group Co., Ltd.	CHINA
109	Gold	Zhongyuan Gold Smelter of Zhongjin Gold Corporation	CHINA
110	Tin	Yunnan Tin Company Limited	CHINA
111	Tin	Yunnan Chengfeng Non-ferrous Metals Co., Ltd.	CHINA
112	Gold	Yokohama Metal Co., Ltd.	JAPAN
113	Gold	Yamamoto Precious Metal Co., Ltd.	JAPAN
114	Tungsten	Xinhai Rendan Shaoguan Tungsten Co., Ltd.	CHINA
115	Tungsten	Xiamen Tungsten Co., Ltd.	CHINA
116	Tungsten	Wolfram Bergbau und Hutten AG	AUSTRIA
117	Tin	White Solder Metalurgia e Mineracao Ltda.	BRAZIL
118	Gold	Western Australian Mint (T/a The Perth Mint)	AUSTRALIA

119	Tungsten	Vietnam Youngsun Tungsten Industry Co., Ltd.	VIET NAM
120	Gold	Valcambi S.A.	SWITZERLAND
121	Gold	United Precious Metal Refining, Inc.	UNITED STATES OF AMERICA
122	Gold	Umicore S.A. Business Unit Precious Metals Refining	BELGIUM
123	Gold	Umicore Brasil Ltda.	BRAZIL
124	Tantalum	Ulba Metallurgical Plant JSC	KAZAKHSTAN
125	Gold	Torecom	KOREA, REPUBLIC OF
126	Gold	Tongling Nonferrous Metals Group Co., Ltd.	CHINA
127	Gold	Tokuriki Honten Co., Ltd.	JAPAN
128	Gold	The Refinery of Shandong Gold Mining Co., Ltd.	CHINA
129	Gold	Great Wall Precious Metals Co., Ltd. of CBPM	CHINA
130	Tin	Gejiu Yunxin Nonferrous Electrolysis Co., Ltd.	CHINA
131	Tin	Thaisarco	THAILAND
132	Tantalum	Telex Metals	UNITED STATES OF

			AMERICA
133	Tungsten	Tejing (Vietnam) Tungsten Co., Ltd.	VIET NAM
134	Gold	Tanaka Kikinzoku Kogyo K.K.	JAPAN
135	Tantalum	Taki Chemical Co., Ltd.	JAPAN
136	Gold	Sumitomo Metal Mining Co., Ltd.	JAPAN
137	Tantalum	Solikamsk Magnesium Works OAO	RUSSIAN FEDERATION
138	Gold	Solar Applied Materials Technology Corp.	TAIWAN, PROVINCE OF CHINA
139	Tin	Soft Metais Ltda.	BRAZIL
140	Gold	SOE Shyolkovsky Factory of Secondary Precious Metals	RUSSIAN FEDERATION
141	Gold	So Accurate Group, Inc.	UNITED STATES OF AMERICA
142	Gold	Sichuan Tianze Precious Metals Co., Ltd.	CHINA
143	Gold	Shandong Zhaojin Gold & Silver Refinery Co., Ltd.	CHINA
144	Gold	Shandong Tiancheng Biological Gold Industrial Co., Ltd.	CHINA
145	Gold	SEMPSA Joyeria Plateria S.A.	SPAIN
146	Gold	Samwon Metals Corp.	KOREA, REPUBLIC

			OF
147	Gold	Samduck Precious Metals	KOREA, REPUBLIC
			OF
148	Gold	Sabin Metal Corp.	UNITED STATES OF
			AMERICA
149	Tin	Rui Da Hung	TAIWAN, PROVINCE
			OF CHINA
150	Gold	Royal Canadian Mint	CANADA
151	Tantalum	RFH Tantalum Smeltry Co., Ltd.	CHINA
152	Gold	Rand Refinery (Pty) Ltd.	SOUTH AFRICA
			UNITED STATES OF
153	Tantalum	QuantumClean	AMERICA
154	Gold	PX Precinox S.A.	SWITZERLAND
155	Tin	PT Tommy Utama	INDONESIA
156	Tin	PT Tinindo Inter Nusa	INDONESIA
157	Tin	PT Timah (Persero) Tbk Mentok	INDONESIA
158	Tin	PT Timah (Persero) Tbk Kundur	INDONESIA
159	Tin	PT Sumber Jaya Indah	INDONESIA
160	Tin	PT Stanindo Inti Perkasa	INDONESIA
161	Tin	PT Sariwiguna Binasentosa	INDONESIA
162	Tin	PT Refined Bangka Tin	INDONESIA
163	Tin	PT Prima Timah Utama	INDONESIA

164	Tin	PT Panca Mega Persada	INDONESIA
165	Tin	PT Mitra Stania Prima	INDONESIA
166	Tin	PT Karimun Mining	INDONESIA
167	Tin	PT Eunindo Usaha Mandiri	INDONESIA
168	Tin	PT DS Jaya Abadi	INDONESIA
169	Tin	PT Bukit Timah	INDONESIA
170	Tin	PT Belitung Industri Sejahtera	INDONESIA
171	Tin	PT Bangka Tin Industry	INDONESIA
172	Tin	PT Babel Inti Perkasa	INDONESIA
173	Tin	PT Artha Cipta Langgeng	INDONESIA
174	Gold	PT Aneka Tambang (Persero) Tbk	INDONESIA
175	Gold	Prioksky Plant of Non-Ferrous Metals	RUSSIAN FEDERATION
176	Gold	Penglai Penggang Gold Industry Co., Ltd.	CHINA
177	Gold	PAMP S.A.	SWITZERLAND  BOLIVIA
178	Tin	Operaciones Metalurgical S.A.	(PLURINATIONAL STATE OF)
179	Gold	OJSC "The Gulidov Krasnoyarsk Non-Ferrous Metals Plant" (OJSC Krastsvetmet)	RUSSIAN FEDERATION



180	Gold	Ohura Precious Metal Industry Co., Ltd.	JAPAN
181	Gold	Elemetal Refining, LLC	UNITED STATES OF AMERICA
182	Tin	O.M. Manufacturing (Thailand) Co., Ltd.	THAILAND
183	Tantalum	Ningxia Orient Tantalum Industry Co., Ltd.	CHINA
184	Gold	Nihon Material Co., Ltd.	JAPAN
185	Gold	Navoi Mining and Metallurgical Combinat	UZBEKISTAN
186	Tin	Nankang Nanshan Tin Manufactory Co., Ltd.	CHINA
187	Gold	Nadir Metal Rafineri San. Ve Tic. A.S.	TURKEY
188	Gold	Moscow Special Alloys Processing Plant	RUSSIAN FEDERATION
189	Tantalum	NPM Silmet AS	ESTONIA
190	Gold	Mitsui Mining and Smelting Co., Ltd.	JAPAN
191	Tantalum	Mitsui Mining and Smelting Co., Ltd.	JAPAN
192	Tin	Mitsubishi Materials Corporation	JAPAN
193	Gold	Mitsubishi Materials Corporation	JAPAN
194	Tin	Minsur	PERU

195	Tantalum	Mineracao Taboca S.A.	BRAZIL
196	Tin	Mineracao Taboca S.A.	BRAZIL
197	Tantalum	Metallurgical Products India Pvt., Ltd.	INDIA
198	Gold	Metalurgica Met-Mex Penoles S.A. De C.V.	MEXICO
199	Gold	Metalor USA Refining Corporation	UNITED STATES OF AMERICA
200	Gold	Metalor Technologies S.A.	SWITZERLAND
201	Gold	Metalor Technologies (Singapore) Pte., Ltd.	SINGAPORE
202	Gold	Metalor Technologies (Hong Kong) Ltd.	CHINA
203	Gold	Metalor Technologies (Suzhou) Ltd.	CHINA
204	Tin	Metallic Resources, Inc.	UNITED STATES OF AMERICA
205	Gold	Matsuda Sangyo Co., Ltd.	JAPAN
206	Gold	Materion	UNITED STATES OF AMERICA
207	Tin	Malaysia Smelting Corporation (MSC)	MALAYSIA
208	Gold	Luoyang Zijin Yinhui Gold Refinery Co., Ltd.	CHINA
209	Gold	LS-NIKKO Copper Inc.	KOREA, REPUBLIC

			OF
210	Tantalum	LSM Brasil S.A.	BRAZIL
211	Tin	China Tin Group Co., Ltd.	CHINA
212	Gold	Lingbao Jinyuan Tonghui Refinery Co., Ltd.	CHINA
213	Gold	Lingbao Gold Co., Ltd.	CHINA
214	Gold	L'azurde Company For Jewelry	SAUDI ARABIA
215	Gold	Kyrgyzaltyn JSC	KYRGYZSTAN
216	Gold	Kojima Chemicals Co., Ltd.	JAPAN
217	Gold	Kennecott Utah Copper LLC	UNITED STATES OF AMERICA
218	Tungsten	Kennametal Fallon	UNITED STATES OF AMERICA
219	Gold	Kazzinc	KAZAKHSTAN
220	Gold	Kazakhmys Smelting LLC	KAZAKHSTAN
221	Tin	Gejiu Kai Meng Industry and Trade LLC	CHINA
222	Gold	JX Nippon Mining & Metals Co., Ltd.	JAPAN
223	Gold	JSC Uralelectromed	RUSSIAN FEDERATION
224	Gold	JSC Ekaterinburg Non-Ferrous Metal Processing Plant	RUSSIAN FEDERATION

225	Gold	Asahi Refining Canada Ltd.	CANADA
226	Gold	Asahi Refining USA Inc.	UNITED STATES OF AMERICA
227	Tantalum	Jiujiang Nonferrous Metals Smelting Company Limited	CHINA
228	Tantalum	JiuJiang JinXin Nonferrous Metals Co., Ltd.	CHINA
229	Tungsten	Ganzhou Huaxing Tungsten Products Co., Ltd.	CHINA
230	Gold	Jiangxi Copper Co., Ltd.	CHINA
231	Tungsten	Japan New Metals Co., Ltd.	JAPAN
232	Gold	Japan Mint	JAPAN
233	Gold	Istanbul Gold Refinery	TURKEY
234	Gold	Ishifuku Metal Industry Co., Ltd.	JAPAN
235	Gold	Inner Mongolia Qiankun Gold and Silver Refinery Share Co., Ltd.	CHINA
236	Gold	HwaSeong CJ CO., LTD.	KOREA, REPUBLIC OF
237	Tungsten	Hunan Chunchang Nonferrous Metals Co., Ltd.	CHINA
238	Gold	Hunan Chenzhou Mining Co., Ltd.	CHINA
239	Tungsten	Hunan Chenzhou Mining Co., Ltd.	CHINA

240	Tin	Huichang Jinshunda Tin Co., Ltd.	CHINA
241	Gold	Heraeus Precious Metals GmbH & Co. KG	GERMANY
242	Gold	Heraeus Metals Hong Kong Ltd.	CHINA
243	Gold	Heimerle + Meule GmbH	GERMANY
244	Gold	Hangzhou Fuchunjiang Smelting Co., Ltd.	CHINA
245	Gold	Guoda Safina High-Tech Environmental Refinery Co., Ltd.	CHINA
246	Tantalum	Guangdong Zhiyuan New Material Co., Ltd.	CHINA
247	Tungsten	Global Tungsten & Powders Corp.	UNITED STATES OF AMERICA
248	Tin	Gejiu Zili Mining And Metallurgy Co., Ltd.	CHINA
249	Tin	Gejiu Non-Ferrous Metal Processing Co., Ltd.	CHINA
250	Gold	Refinery of Seemine Gold Co., Ltd.	CHINA
251	Tungsten	Fujian Jinxin Tungsten Co., Ltd.	CHINA
252	Gold	OJSC Novosibirsk Refinery	RUSSIAN FEDERATION
253	Tin	Fenix Metals	POLAND

254	Tantalum	F&X Electro-Materials Ltd.	CHINA
255	Tantalum	Exotech Inc.	UNITED STATES OF AMERICA
256	Tin	Estanho de Rondônia S.A.	BRAZIL
257	Tin	EM Vinto	BOLIVIA (PLURINATIONAL STATE OF)
258	Gold	Eco-System Recycling Co., Ltd.	JAPAN
259	Tin	Dowa	JAPAN
260	Gold	Dowa	JAPAN
261	Gold	DODUCO Contacts and Refining GmbH	GERMANY
262	Gold	DSC (Do Sung Corporation)	KOREA, REPUBLIC OF
263	Gold	Daye Non-Ferrous Metals Mining Ltd.	CHINA
264	Gold	Daejin Indus Co., Ltd.	KOREA, REPUBLIC OF
265	Tin	CV United Smelting	INDONESIA
266	Tin	CV Serumpun Sebalai	INDONESIA
267	Tin	PT Aries Kencana Sejahtera	INDONESIA
268	Tin	CV Gita Pesona	INDONESIA
269	Tin	Alpha	UNITED STATES OF

			AMERICA
270	Tantalum	Conghua Tantalum and Niobium Smeltry	CHINA
271	Tin	CNMC (Guangxi) PGMA Co., Ltd.	CHINA
272	Gold	Chugai Mining	JAPAN
273	Tungsten	Chongyi Zhangyuan Tungsten Co., Ltd.	CHINA
274	Tin	Jiangxi Ketai Advanced Material Co., Ltd.	CHINA
275	Gold	Chimet S.p.A.	ITALY
276	Tin	Chenzhou Yunxiang Mining and Metallurgy Co., Ltd.	CHINA
277	Tungsten	Guangdong Xianglu Tungsten Co., Ltd.	CHINA
278	Tantalum	Changsha South Tantalum Niobium Co., Ltd.	CHINA
279	Gold	Yunnan Copper Industry Co., Ltd.	CHINA
280	Gold	Cendres + Metaux S.A.	SWITZERLAND
281	Gold	CCR Refinery - Glencore Canada Corporation	CANADA
282	Gold	Caridad	MEXICO
283	Gold	C. Hafner GmbH + Co. KG	GERMANY

284	Gold	Boliden AB	SWEDEN
285	Gold	Bangko Sentral ng Pilipinas (Central Bank of the Philippines)	PHILIPPINES
286	Gold	Aurubis AG	GERMANY
287	Tungsten	Kennametal Huntsville	UNITED STATES OF AMERICA
288	Gold	Atasay Kuyumculuk Sanayi Ve Ticaret A.S.	TURKEY
289	Gold	Asaka Riken Co., Ltd.	JAPAN
290	Gold	Asahi Pretec Corp.	JAPAN
291	Gold	Argor-Heraeus S.A.	SWITZERLAND
292	Gold	AngloGold Ashanti Corrego do Sitio Mineracao	BRAZIL
293	Gold	Almalyk Mining and Metallurgical Complex (AMMC)	UZBEKISTAN
294	Gold	Allgemeine Gold-und Silberscheideanstalt A.G.	GERMANY
295	Gold	Aida Chemical Industries Co., Ltd.	JAPAN
296	Gold	Advanced Chemical Company	UNITED STATES OF AMERICA
297	Tungsten	A.L.M.T. TUNGSTEN Corp.	JAPAN