



# Responsible Minerals Sourcing Report

June 2018

Dell<sup>1</sup> supports, respects and upholds the internationally-recognized human rights of all people, including all internal team members and those in our supply chain. Ensuring the responsible sourcing of minerals is also part of this global approach. Although we do not use minerals in their raw form or purchase them directly from mining companies or smelters, we engage our supply chain to perform due diligence.

As stated in our [Responsible Sourcing Policy](#), Dell is committed to the responsible sourcing of materials used in our products. With this commitment, in 2016 we expanded the scope of our Conflict Minerals Program and established our Responsible Minerals Program. We continue to monitor and remediate minerals in our products, including tin, tungsten, tantalum, and gold (often referred to as 3TG or “conflict minerals”), following the Organization for Economic Development’s (OECD) [Due Diligence Guidance for Responsible Supply Chains of Minerals from Conflict-Affected and High-Risk Areas](#). As part of our Responsible Minerals Program activities, we also continue to develop our due diligence program for cobalt, and have set expectations for paint suppliers to take steps for responsible sourcing for the mineral mica.

It is our goal not to purchase product materials containing minerals whose mining and sale directly or indirectly finance armed conflict or contribute to human rights abuses. We remain committed to supporting responsible sourcing from those regions in which specific mining operations may present risk.

To help us reach our goal, we are active participants in the [Responsible Minerals Initiative](#) (RMI)<sup>2</sup>. RMI’s programs, tools, and guidance documents help companies address responsible sourcing risks for minerals. We also participate in other multi-stakeholder initiatives working to address issues in responsible mineral sourcing, including the Public-Private Alliance for Responsible Minerals Trade and the Responsible Cobalt Initiative.

This report discloses our responsible sourcing work in 3TG, cobalt and mica for the calendar year 2017.

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<sup>1</sup> Dell refers to a select subset of entities within Dell Technologies Inc. See Our Products on page 2 for more information

<sup>2</sup> formerly the Conflict-Free Sourcing Initiative or CFSI

## OUR PRODUCTS

In September 2016, Dell Technologies Inc. completed the purchase of EMC. Dell Technologies Inc. encompasses Dell, Dell EMC, Pivotal, RSA, SecureWorks, Virtustream and VMware.

This report addresses our responsible minerals due diligence for the hardware products of Dell, Dell EMC, and RSA — together referred to in this report as “Dell.” This report does not include information about other strategically aligned businesses under the Dell Technologies umbrella such as Boomi, SecureWorks, Pivotal, Virtustream and VMware.

Dell’s portfolio covers branded hardware, such as desktop PCs, notebooks and tablets, and branded peripherals, such as monitors, printers and projectors, as well as third party software and peripherals. Dell also enables customers’ digital transformation through our trusted hybrid cloud and big-data solutions, built upon a modern data center infrastructure that incorporates industry-leading converged infrastructure, servers, storage, and cybersecurity technologies.

## TANTALUM, TIN, TUNGSTEN AND GOLD (3TG)

### Summary

Dell manufactures and contracts to manufacture products in which tantalum, tin, tungsten and gold, or “3TG,” are necessary to the functionality or production of those products. There is concern that these minerals, often referred to as “conflict minerals,”<sup>3</sup> could originate from certain mines in the Democratic Republic of the Congo (“DRC”) which are controlled by armed militia who use the proceeds from the sale of these minerals to fund ongoing conflict in the region. Identifying the origin of minerals through the supply chain is a complex endeavor. As a manufacturer of technology products, Dell does not purchase 3TG directly from mines, smelters, or refiners, but does purchase components and materials that may contain 3TG. Therefore, we collaborate with suppliers, industry peers, and other stakeholders to meet our program goals and customer expectations.

As part of this collaboration, Dell helps to develop and uses RMI tools and programs to conduct due diligence on 3TG in our products. The RMI’s Conflict Minerals Reporting Template (CMRT) is a widely-used form to collect due diligence information, including the names of 3TG smelters and refiners in our suppliers’ supply chains. RMI also manages the Responsible Minerals Assurance Process (RMAP),<sup>4</sup> which uses independent third-party audits to assess whether 3TG smelters and refiners have systems in place to assure

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<sup>3</sup> 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

<sup>4</sup> Formerly the Conflict-Free Smelter Program (CFSP)

conformance to responsible sourcing standards, including sourcing minerals responsibly from the DRC. We use the CMRT to survey our suppliers and identify smelters and refiners in our supply chain. The RMAP is used to determine the country of origin and conformance status of minerals processed by the smelters in our supply chain.

In 2017, there was an increase in the percentage of smelters and refiners our suppliers used that conform with, or participate in, the Responsible Minerals Assurance Process (RMAP). However, we have not yet reached our goal of 100% of smelters and refiners in our supply chain being RMAP conformant. As part of our work to build a responsible and transparent mineral supply chain, our management system, identification, assessment, and mitigation of risks, including Reasonable Country of Origin Inquiry, are described in this report.

## Our policy and management system

Dell's [Responsible Sourcing Policy](#) states our expectations for suppliers and our collaborative approach with suppliers, industry peers, and other stakeholders to promote responsible sourcing practices. Dell abides by, and is held accountable to, the [Responsible Business Alliance \(RBA\) Code of Conduct](#) and [Dell's Supplier Principles](#), which also requires direct material suppliers to have a conflict minerals policy and conduct due diligence on the source and chain of custody of the 3TG in their products to reasonably assure that they do not come from conflict sources.



Dell was one of the original members of the Electronic Industry Citizenship Coalition, now the Responsible Business Alliance.

Responsible sourcing is embedded in Dell's supply chain management business processes. Our accountability and performance supplier scorecard includes metrics on suppliers' adherence to our Conflict Minerals expectations, along with other metrics such as quality, cost and availability. This scorecard is used by Dell executives in business reviews with strategic suppliers and provides a key input into business decisions.

In addition, Dell's Supply Chain Operations Steering Committee provides strategic direction and input to our Responsible Minerals Program, including Dell's Responsible Minerals Policy, supplier requirements, communications, and risk management. Leaders from functions including Global Compliance, Supply Chain Sustainability, Procurement, Corporate Social Responsibility, Legal and other internal stakeholders make up this Committee.



## Identifying, assessing, and mitigating risks

To drive responsible mineral sourcing throughout our supply chain we have developed a four-pronged strategy to identify, assess, and respond to risks:

<b>Engage our suppliers in due diligence and conformant sourcing</b> <ul style="list-style-type: none"><li>• Survey suppliers using the CMRT and assess their responses</li><li>• Offer resources and education on the issue of conflict minerals and best practices in due diligence</li><li>• Influence our supply chain to shift to RMAP conformant smelters and refiners</li></ul>	<b>Increase the number of RMAP conformant smelters and refiners</b> <ul style="list-style-type: none"><li>• Identify 3TG smelters and refiners in our supply chain and assess risks</li><li>• Directly engage smelters and refiners to undergo RMAP audits through active participation in RMI workgroups</li><li>• Conduct Reasonable Country of Origin Inquiry using RMAP data</li></ul>
<b>Encourage responsible sourcing from the Covered Countries</b> <ul style="list-style-type: none"><li>• Promote verifiable conflict-free sourcing from the Covered Countries</li><li>• Support programs to build peaceful economic activity in the Covered Countries, defined as the DRC and adjoining countries</li></ul>	<b>Promote innovative approaches to responsible sourcing</b> <ul style="list-style-type: none"><li>• Gold from a closed loop recycling process</li></ul>

The steps taken to implement that strategy are described below.

### Engage our suppliers in due diligence and conformant sourcing

#### SURVEY SUPPLIERS USING THE CMRT AND ASSESS THEIR RESPONSES

Our first step identifies suppliers who provide us with components that are known to, or could potentially, contain 3TG. Every year, we ask these suppliers to survey their own supply chains and report to us using the CMRT. One hundred percent of required suppliers responded to our request for a CMRT for the 2017 reporting year.

Partnering with suppliers to conduct due diligence is a key part of using responsibly sourced minerals. Therefore, complete and correct supplier reporting, as well as supplier cooperation with our commitment to responsible mineral sourcing, significantly contributes to our efforts.

In 2017, Dell communicated with these suppliers to help them improve their reporting and due diligence, providing information to help suppliers return complete and accurate CMRTs.

To manage this communication, we partnered with a third-party software provider to streamline and systemically capture communication to suppliers, as well as perform an initial data validation check when the supplier submits a CMRT. We also reviewed CMRTs against our internally-developed framework to assess reasonableness and risk: evaluating progress on due diligence, confirming a conflict minerals policy is in place, and assessing the list of 3TG smelters and refiners in their supply chain. Where potential risks were identified, we worked with suppliers to obtain additional information and request corrective actions, as necessary.

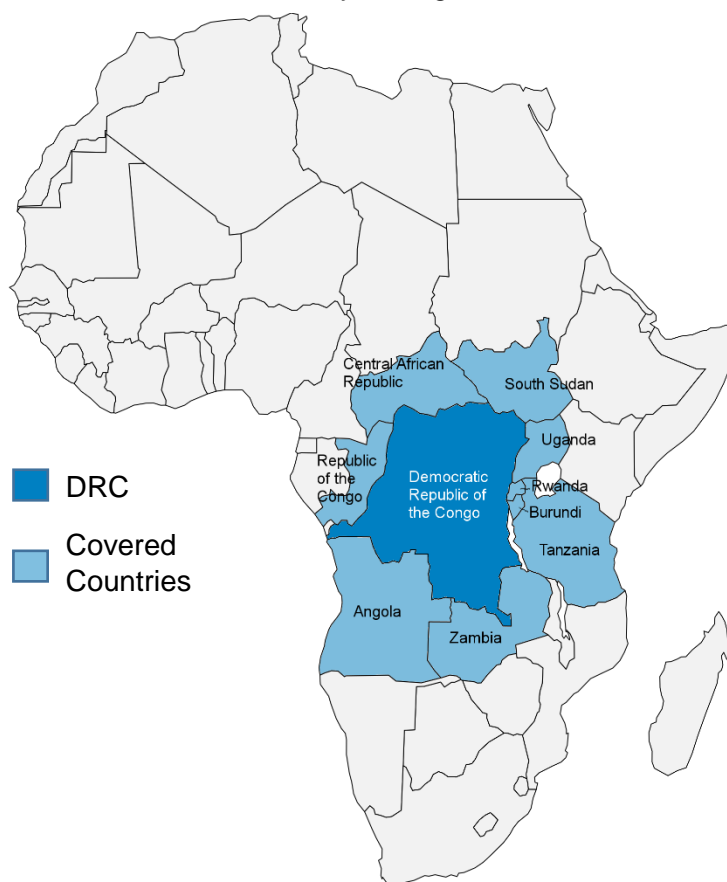
In analyzing responses to our 2017 survey, three areas continued to be challenges for our suppliers: determining whether 3TG was sourced from the Covered Countries; suppliers' own conflict minerals policies allowing for responsible sourcing from the Covered Countries; and the presence of smelters in their supply chains that are not RMAP conformant.

Our actions to address those three areas are described below.

#### OFFER RESOURCES AND EDUCATION ON THE ISSUE OF CONFLICT MINERALS AND BEST PRACTICES IN DUE DILIGENCE

Dell aspires to be DRC Conflict-Free and to source responsibly from the Covered Countries through RMAP conformant smelters or refiners. We found that some suppliers either misunderstood how to use RMAP RCOI to determine country of origin, or based their responses to whether they were sourcing from the Covered Countries solely on what their suppliers had reported to them. In these situations, we encouraged suppliers to join RMAP to get accurate data and educated some on using the RMAP data.

Suppliers who publish their conflict minerals policy show a commitment to responsible sourcing. Under our Conflict Minerals Policy, we intend to be “DRC Conflict-Free,” not “DRC-free,” and therefore we support responsible sourcing from the Covered Countries in order to support peaceful economic



activity in the region. Thus, we review our suppliers' conflict minerals policies to assure there is no intent to ban sourcing from the Covered Countries, and provide feedback on improving their policies if necessary.

#### INFLUENCE SUPPLY CHAIN TO SHIFT TO RMAP CONFORMANT SMELTERS & REFINERS

We expect all suppliers to work toward sourcing only from RMAP conformant smelters. When a supplier reports a smelter that has not been audited we require them to take steps to engage those smelters in RMAP or remove them from their supply chains.

Suppliers reporting smelters in their supply chain identified by us as presenting higher risk and having low probability of remediation underwent a deeper assessment by our Responsible Minerals team. We required suppliers reporting high-risk smelters to provide information on the sources reporting those smelters, and whether those suppliers were providing material for the products sold to Dell. If the supplier was unable to remove those smelters from Dell's supply chain during the 2017 reporting year, we required them to provide a smelter removal timeline for 2018. Issues with suppliers not providing this additional information and commitment to remove high-risk smelters were escalated through supply chain management staff responsible for the commercial relationships.

In 2018, we are maintaining our expectations for suppliers to source only from RMAP conformant smelters and refiners and to take steps to address risks in the 3TG supply chain. As part of these efforts, we will continue to work with and support capability building for our suppliers to help them understand and address areas of risk in their own supply chains.

### Increase the number of RMAP conformant smelters and refiners

#### IDENTIFY 3TG SMELTERS AND REFINERS IN OUR SUPPLY CHAIN AND ASSESS RISKS

In analyzing smelter and refiner data reported by our suppliers, we identified two main areas of concern: the need to engage smelters and refiners who have not yet been audited to be



RMAP conformant and maintaining participation of smelters and refiners in RMAP over time.

As a downstream company, Dell utilizes the RMAP for smelter and refiner audits and to assess risks from the mine to the smelter or refiner. Figure 1 shows the

number of RMAP conformant or active<sup>5</sup> smelters and refiners for 3TG in Dell's supply chain, broken down by metal.

The number and percentage of RMAP conformant smelters and refiners in our supply chain has increased since our program started, but is not yet at 100 percent. Work remains to either drive smelters and refiners to participate in the program, or to remove them from our supply chain if they do not.

Through our participation in RMI workgroups, we have identified remaining unaudited smelters who are less cooperative or responsive for RMAP program participation. In addition, several smelters or refiners in our supply chain who had been conformant to RMAP failed an RMAP re-audit, refused to perform a re-audit when their certification expired, or were removed from the lists of other responsible sourcing audit programs that have cross-recognition with RMAP.

When smelters and refiners in our supply chain are not yet RMAP conformant or have lost that status, we consider the underlying reasons to determine whether to engage them in RMAP or remove them from our supply chain. This assessment includes whether the smelter is currently engaged in discussions to get audited by RMAP, geographical location of the smelter, metal processed, and known sourcing information.

#### DIRECTLY ENGAGE SMELTERS AND REFINERS TO UNDERGO RMAP AUDITS THROUGH ACTIVE PARTICIPATION IN RMI WORKGROUPS

As part of RMI, Dell actively encourages verified 3TG smelters and refiners to engage in the RMAP. As the number of RMAP conformant smelters and refiners grows, more influence can be applied to suppliers to shift purchasing to RMAP conformant smelters and refiners. In 2017, Dell engaged smelters not yet participating in RMAP to request that they undergo an audit. Dell also engaged smelters with expiring RMAP certification to reinforce its importance to downstream customers and encourage them to continue their RMAP conformant status.

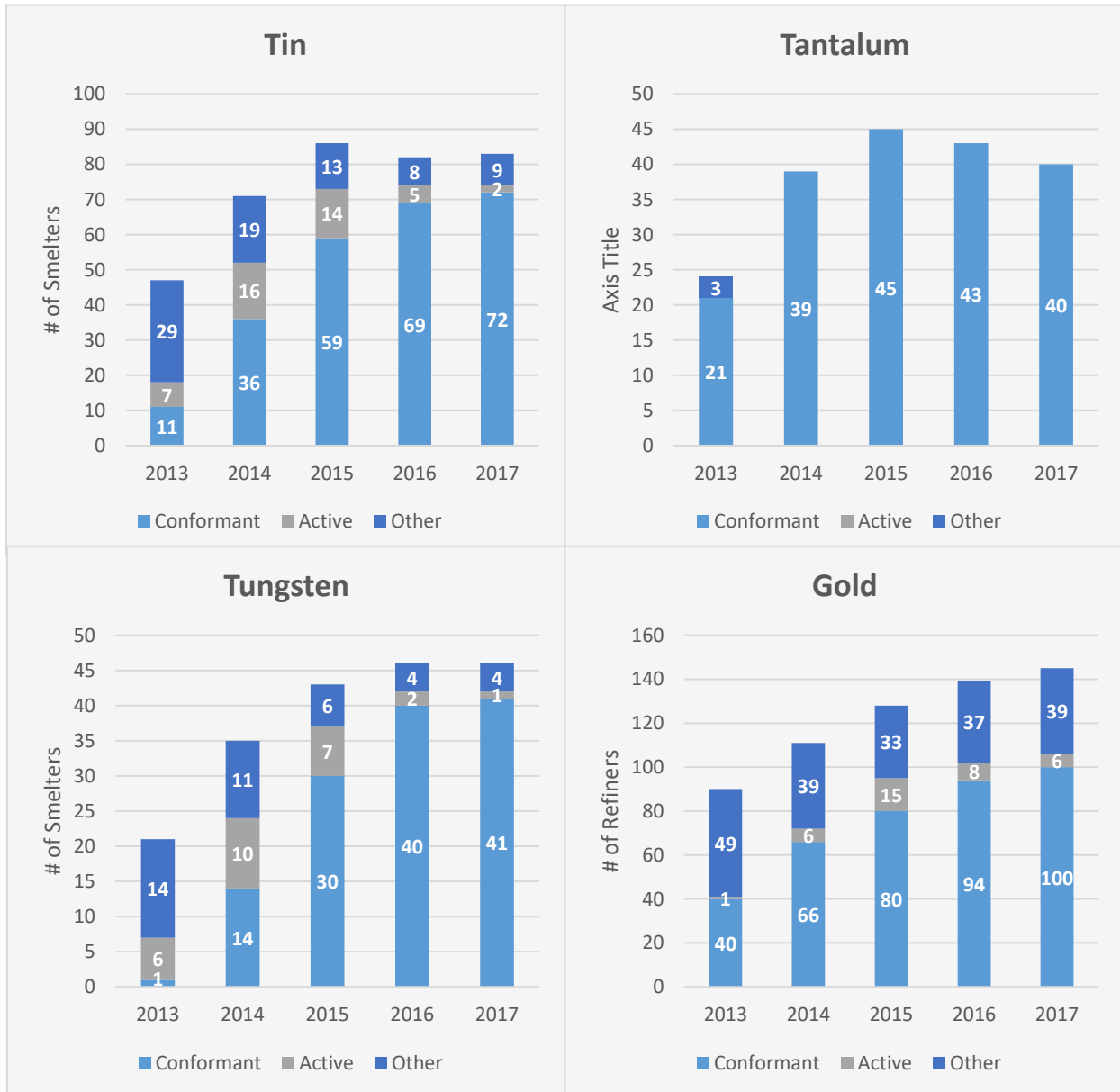
We will increase our smelter engagement efforts in 2018, targeting smelters and refiners at risk of non-renewal and encouraging those yet to be audited. Those smelters who have shown low probability of becoming RMAP conformant will be removed from our supply chain.

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<sup>5</sup> Active smelters and refiners are defined by RMAP as those that have committed to undergo a RMAP audit or are participating in one of the cross-recognized certification programs: LBMA Responsible Gold Certification or Responsible Jewelry Program Chain of Custody Certification.



*Figure 1.  
Verified 3TG Smelters or Refiners in Dell's combined supply chain post-merger 2016-  
2017, and heritage EMC's supply chain 2013-2015, by metal and RMAP Status*



Active smelters and refiners are defined by RMAP as those that have committed to undergo a RMAP audit or are participating in one of the cross-recognized certification programs: LBMA Responsible Gold Certification or Responsible Jewelry Program Chain of Custody Certification.

Conformant smelters and refiners passed the audit/certification programs stated above.

## CONDUCT REASONABLE COUNTRY OF ORIGIN INQUIRY USING RMAP DATA

As of April 30, 2018, there were 314 verified 3TG smelter or refiner facilities reported by Dell's suppliers, 262 of which are participating in RMAP. Many of our suppliers returned CMRTs representing their full supply chains, rather than scoping specifically to products Dell purchases. Therefore, it is possible not all of the smelters reported are providing material for Dell products. As part of our transparency efforts, Dell is publishing the full list of these verified smelters and refiners reported by suppliers in their supply chains in Appendix 1.

The list of countries from which we believe the 3TG in our products may have originated is published in Appendix 2. Some 3TG also originates from recycled or scrap sources. This information was obtained using the Reasonable Country of Origin Inquiry (RCOI) report dated May 18, 2018 that is available to Dell as a member of RMI.

The 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 in this report, represent Dell's efforts to trace the source of the 3TG in our supply chain to the mine or location of origin as necessary.

### Encourage responsible sourcing and support on-the-ground projects

As described, we review suppliers' responsible sourcing and conflict minerals policies to provide feedback to suppliers who mistakenly believe that RMAP conformant smelters are by definition not sourcing from the Covered Countries, or whose conflict minerals policies indicate that they will not source from the Covered Countries.

Dell is also a member of the [Public Private Alliance for Responsible Minerals Trade \(PPA\)](#). The PPA supports supply chain projects and solutions in the DRC and Great Lakes Region to help develop conflict-free supply chains and promote responsible sourcing from that region. Through our engagement with PPA we continue to support opportunities to positively impact local communities in, and increase verifiable conflict-free sourcing from, the Covered Countries.

In 2018, Dell committed to funding [IMPACT's](#) work to develop the business skills of women in mining communities in Ituri Province in the DRC. The training Dell is supporting is a component of IMPACT's [Artisanal Mining Women's Empowerment Credit & Savings](#) (AFECCOR) project. AFECCOR seeks to develop access to savings and credit for men and women in artisanal gold mining communities in order to support entrepreneurship and improve economic security. It also has a goal to decrease the reliance miners have on informal credit networks, leading to an increase in the flow of gold into the Just Gold project, which brings traceable, legal, and responsibly mined gold from the DRC in international markets. The Dell-supported component of the AFECCOR project will deliver training to help women identify income-generating opportunities and successfully build their own businesses.

In alignment with our commitment to responsible sourcing beyond DRC, Dell participates in the [Indonesia Tin Working Group](#) (TWG). The TWG works on environmental and social issues in the Indonesian tin sector, and is implementing solutions to address land reclamation and worker occupational health and safety. Dell joined in the initial phase of the TWG, which was led by [Sustainable Trade Initiative IDH](#), and continues to participate in the TWG under RMI's leadership.

Dell also welcomes the expansion of the RMAP protocols to include risks beyond conflict in the DRC, in alignment with the OECD Annex II risks and to cover other Conflict-Affected and High-Risk Areas around the world. These protocols were developed in 2017 and will go into effect in 2018. Dell will continue to require sourcing from RMAP conformant smelters and refiners, and appreciates the additional responsible sourcing assurance that these new protocols provide.

### [Promote innovative approaches to responsible sourcing](#)

Just as we do with our closed-loop plastics, Dell “mines” our own recycling stream for raw materials. Computers and other electronics coming through the [Dell Reconnect](#) partnership with Goodwill in the U.S. are recycled at more than 2,000 locations. Those computers that work are refurbished and resold, supporting Goodwill's mission, the others are disassembled.



In January 2018, Dell piloted the use of recycled gold from electronic waste into new products. Dell's partner, Wistron, responsibly extracts the gold from motherboards electro-chemically and then melts the gold into bars for easy transport. The initial project shipped approximately 5 pounds (2.27 kilos) of gold to our suppliers in Taiwan. The recycled gold was converted into a percentage of a “gold salt bath” ready to be plated onto new motherboards. This initial project will support the creation of new motherboards in the next year, the first of which will appear in the Dell Latitude 5285 2-in-1. To learn more about this program and to learn more about how we are working with jewelry companies with a shared interest in sustainability visit [dell.com/gold](http://dell.com/gold).

## COBALT

Cobalt, which is used in lithium-ion batteries and other electronic components, is the first mineral beyond 3TG that Dell incorporated into the responsible sourcing program. The mining of cobalt has been linked to OECD Annex II risks including child labor and other human rights abuses in the DRC. We are implementing the OECD Due Diligence Guidelines for the sourcing of this mineral and expect suppliers to participate in our cobalt due diligence processes.

As with 3TG, responsible sourcing of cobalt is a complex issue that requires industry-wide collaboration. In addition to working with the RMI cobalt working group, we have joined the Responsible Cobalt Initiative (RCI), an industry group that brings together upstream and downstream companies to drive responsible sourcing in the cobalt supply chain in China. In 2017, Dell was elected to RCI's board of directors. In this capacity, Dell has given input to RCI's strategy and work plan, including the development of an audit protocol for refiners to demonstrate responsible sourcing, and efforts to promote responsible sourcing and traceability of cobalt in the DRC.

### **Our policy and management system**

In 2017, we updated our [Responsible Sourcing Policy](#) to include cobalt as well as 3TG. The updated policy set expectations for suppliers to follow OECD Due Diligence Guidelines for cobalt, and to participate in Dell's due diligence processes and capability building efforts around responsible cobalt sourcing. We also brought cobalt under the guidance of Dell's Supply Chain Operations Steering Committee.

### **Identifying, assessing, and mitigating risks**

In 2017, we issued a Dell-developed survey to our battery suppliers and Original Design Manufacturers (ODMs), benchmarking suppliers' policies for responsible sourcing of cobalt, as well as development of their own management and due diligence processes. In addition, to build capabilities in responsible sourcing of cobalt, we provided training to battery suppliers on implementing the OECD Due Diligence Guidance for Responsible Supply Chains of Minerals.

Through the initial Dell-developed survey, we identified suppliers providing components to Dell that contain cobalt, and cobalt refiners in their supply chains. We shared the refiner information with RMI to help them build their list of verified cobalt refiners. The list of verified cobalt refiners reported by suppliers in their 2017 supply chain is in Appendix 3.

We also participated in the RMI workgroup that developed a pilot Cobalt Reporting Template, which was released in early 2018. We will issue that Cobalt Reporting Template to relevant suppliers in 2018, and use the data collected to update the list of verified cobalt refiners identified in our supply chain.

Another key component of a due diligence process is the auditing of verified cobalt refiners. The [China Chamber of Commerce of Metals, Minerals & Chemicals Importers & Exporters](#) (CCCMC), RCI, and RMI have collaborated on the development of the CCCMC Draft Cobalt Refiner Standard, which will be used as a pilot assurance process for cobalt refiners. The draft standard was released for public comment in early 2018.

Through these industry-coordinated approaches, we are building the infrastructure necessary to map the cobalt supply chain and implement audits to assure due diligence practices are in place to address risks of child labor and other human rights violations. Participating in these multi-stakeholder initiatives also enables us to contribute to efforts on the ground through partnerships with local governments and non-governmental organizations (NGOs).

Aligned with our commitment to transparency and assuring respect for human rights, we are sharing our progress in developing a due diligence system for cobalt in the “Our Minerals Due Diligence Design” section below. Implementing the OECD Due Diligence Guidance for Responsible Supply Chains of Minerals is an iterative process, and we will continue our progress in 2018.



## MICA

Through our work with RMI, we recognized the risks of child labor and other human rights issues, including health and safety, in the mining of mica in India. In 2017, we identified three paint suppliers with high concentrations of mica, based on material analysis. We set responsible sourcing expectations specific to mica for those suppliers and are continuing to assess risks associated with mica in our supply chain.

Our expectations included four key criteria:

1. Establish and publish a company responsible sourcing policy to address child labor and other human rights issues in the mica supply chain
2. Share expectations of responsible sourcing down the supply chain
3. Implement due diligence to mitigate risks of child labor and human rights violations in the supply chain
4. Join the [Responsible Mica Initiative](#), which works to promote responsible sourcing of mica and eradicate child labor and unacceptable working conditions in the Indian mica supply chain

In early 2018, we reviewed suppliers' progress to those expectations. While only one supplier met all four criteria, all three have policies on child labor and assess their own suppliers to confirm adherence to child labor policies. In 2018, we will continue to monitor suppliers' progress in responsible mica sourcing and reinforce our expectations that they meet our stated criteria.

## OUR MINERALS DUE DILIGENCE DESIGN

Dell's due diligence framework conforms in all material aspects with the OECD Due Diligence Guidance for Responsible Supply Chain of Minerals from Conflict-Affected and High-Risk Areas and supplements (Third Edition, 2016).

OECD Due Diligence Step	Scope	
	3TG	Cobalt
<b>Step 1: Establish strong company management systems</b>		
Published our company's responsible sourcing policy on Dell.com which includes conflict minerals and cobalt	✓	✓
Convened the Supply Chain Operations Steering Committee to oversee program	✓	✓
Communicated Dell's minerals policies for due diligence expectations to suppliers	✓	✓
Collected and stored supplier data for conflict minerals on a using third party tool	✓	
Utilized the Dell hotline, email address, and secure web report, which are publicly available on Dell.com, as the mechanism through which any interested party can voice concerns	✓	✓
<b>Step 2: Identify and assess risks in the supply chain</b>		
Identified suppliers in scope for 3TG due diligence and surveyed those suppliers with the CMRT	✓	
Reviewed suppliers completed CMRTs to determine if they met internally-developed standards of reasonableness and risk	✓	
Compared smelters and refiners identified by suppliers against RMI's smelter reference list to determine RMAP status	✓	
Identified suppliers in scope for cobalt due diligence and surveyed them using a Dell-developed template		✓
<b>Step 3: Design and implement a strategy to respond to identified risks</b>		
Educated suppliers on how to improve reporting	✓	✓
Included suppliers' conflict mineral risk scores as an indicator in the supplier scorecard	✓	
Communicate with verified smelters and refiners and ask them to become RMAP conformant through RMI workgroups	✓	
Educated suppliers on responsible sourcing and human rights violation issues in the supply chain	✓	✓
Engaged with RMI to support development of a cobalt smelter database		✓
Joined the Responsible Cobalt Initiative		✓
<b>Step 4: Plan an independent third-party audit of the smelter or refiner's due diligence</b>		
Utilized independent third-party audits managed by the RMAP	✓	
Supported CCCMC, RCI and RMI with the development of the cobalt audit program		✓
<b>Step 5: Report annually on supply chain due diligence</b>		
Published public report on responsible minerals sourcing, including 3TG, cobalt and mica	✓	✓

## ADDRESSING CONCERNS

Dell actively encourages its employees and other parties to report concerns either directly to the company or through Dell's ethics hotline, which is maintained by a third-party provider. The various channels through which reports can be made are included in Dell Code of Conduct, corporate compliance training materials, and elsewhere. Please see below the various ways in which a concern or question may be reported:

Allegations of ethical misconduct or potential violations of the law via the Dell Ethics Helpline. This option which may be leveraged via phone or web (24x7x365, even anonymously where allowed by local law) via <http://dell-ethicsline.com>. This site provides all information, including local phone numbers for every country.

Dell Ethics & Compliance Office via [ethics@dell.com](mailto:ethics@dell.com) (not anonymous).

You may pose questions related to Dell's financial reporting or other finance-specific inquiries to [chief\\_financial\\_officer@dell.com](mailto:chief_financial_officer@dell.com)

*This report contains forward looking statements, within the meaning of the Federal securities laws, about our business and prospects. The forward-looking statements do not include the potential impact of any mergers, acquisitions, divestitures, securities offerings or business combinations that may be announced or closed after the date hereof. Any statements contained herein that are not statements of historical fact may be deemed to be forward-looking statements. Without limiting the foregoing, the words "believes," "plans," "intends," "expects," "goals" and similar expressions are intended to identify forward-looking statements, although not all forward-looking statements contain these words. Our future results may differ materially from our past results and from those projected in the forward looking statements due to various uncertainties and risks, including, but not limited to, those described in this report. The forward-looking statements speak only as of the date of this report and undue reliance should not be placed on these statements. We disclaim any obligation to update any forward-looking statements contained herein after the date of this report. Websites referred to in this report are not incorporated by reference unless specifically indicated.*

## APPENDIX 1. DELL SMELTER LIST

This list is based on Dell supplier data as of April 30, 2018. In many cases, suppliers provided information encompassing their entire supply chain; this information was not limited to facilities that contributed 3TG used only in Dell products. As a result, we are unable to validate whether our products in fact contain 3TG from all of these sources. This list only includes facilities reported by suppliers that are on the RMAP standard smelter list as of April 30, 2018.

CID	Metal	Name	Country
CID002708	Gold	Abington Reldan Metals, LLC	USA
CID000015	Gold	Advanced Chemical Company	USA
CID000019	Gold	Aida Chemical Industries Co., Ltd.	JAPAN
CID002560	Gold	Al Etihad Gold Refinery DMCC	UAE
CID000035	Gold	Allgemeine Gold-und Silberscheideanstalt A.G.	GERMANY
CID000041	Gold	Almalyk Mining and Metallurgical Complex (AMMC)	UZBEKISTAN
CID000058	Gold	AngloGold Ashanti Corrego do Sitio Mineracao	BRAZIL
CID000077	Gold	Argor-Heraeus S.A.	SWITZERLAND
CID000082	Gold	Asahi Pretec Corp.	JAPAN
CID000924	Gold	Asahi Refining Canada Ltd.	CANADA
CID000920	Gold	Asahi Refining USA Inc.	USA
CID000090	Gold	Asaka Riken Co., Ltd.	JAPAN
CID000103	Gold	Atasay Kuyumculuk Sanayi Ve Ticaret A.S.	TURKEY
CID002850	Gold	AU Traders and Refiners	SOUTH AFRICA
CID000113	Gold	Aurubis AG	GERMANY
CID002863	Gold	Bangalore Refinery	INDIA
CID000128	Gold	Bangko Sentral ng Pilipinas (Central Bank of the Philippines)	PHILIPPINES
CID000157	Gold	Boliden AB	SWEDEN
CID000176	Gold	C. Hafner GmbH + Co. KG	GERMANY
CID000180	Gold	Caridad	MEXICO
CID000185	Gold	CCR Refinery - Glencore Canada Corporation	CANADA
CID000189	Gold	Cendres + Metaux S.A.	SWITZERLAND
CID000233	Gold	Chimet S.p.A.	ITALY
CID000264	Gold	Chugai Mining	JAPAN
CID000328	Gold	Daejin Indus Co., Ltd.	KOREA, REPUBLIC OF
CID000343	Gold	Daye Non-Ferrous Metals Mining Ltd.	CHINA
CID002867	Gold	Degussa Sonne / Mond Goldhandel GmbH	GERMANY
CID000362	Gold	DODUCO Contacts and Refining GmbH	GERMANY
CID000401	Gold	Dowa	JAPAN
CID000359	Gold	DSC (Do Sung Corporation)	KOREA, REPUBLIC OF
CID000425	Gold	Eco-System Recycling Co., Ltd.	JAPAN
CID001322	Gold	Elemetal Refining, LLC	USA
CID002561	Gold	Emirates Gold DMCC	UAE
CID002515	Gold	Fidelity Printers and Refiners Ltd.	ZIMBABWE

CID	Metal	Name	Country
CID002852	Gold	GCC Gujrat Gold Centre Pvt. Ltd.	INDIA
CID002459	Gold	Geib Refining Corporation	USA
CID002243	Gold	Gold Refinery of Zijin Mining Group Co., Ltd.	CHINA
CID001909	Gold	Great Wall Precious Metals Co., Ltd. of CBPM	CHINA
CID002312	Gold	Guangdong Jinding Gold Limited	CHINA
CID000651	Gold	Guoda Safina High-Tech Environmental Refinery Co., Ltd.	CHINA
CID000671	Gold	Hangzhou Fuchunjiang Smelting Co., Ltd.	CHINA
CID000689	Gold	HeeSung Metal Ltd.	KOREA, REPUBLIC OF
CID000694	Gold	Heimerle + Meule GmbH	GERMANY
CID000707	Gold	Heraeus Metals Hong Kong Ltd.	CHINA
CID000711	Gold	Heraeus Precious Metals GmbH & Co. KG	GERMANY
CID000767	Gold	Hunan Chenzhou Mining Co., Ltd.	CHINA
CID000778	Gold	HwaSeong CJ CO., LTD.	KOREA, REPUBLIC OF
CID000801	Gold	Inner Mongolia Qiankun Gold and Silver Refinery Share Co., Ltd.	CHINA
CID000807	Gold	Ishifuku Metal Industry Co., Ltd.	JAPAN
CID000814	Gold	Istanbul Gold Refinery	TURKEY
CID002765	Gold	Italpreziosi	ITALY
CID000823	Gold	Japan Mint	JAPAN
CID000855	Gold	Jiangxi Copper Co., Ltd.	CHINA
CID000927	Gold	JSC Ekaterinburg Non-Ferrous Metal Processing Plant	RUSSIAN FEDERATION
CID000929	Gold	JSC Uralelectromed	RUSSIAN FEDERATION
CID000937	Gold	JX Nippon Mining & Metals Co., Ltd.	JAPAN
CID002563	Gold	Kaloti Precious Metals	UAE
CID000956	Gold	Kazakhmys Smelting LLC	KAZAKHSTAN
CID000957	Gold	Kazzinc	KAZAKHSTAN
CID000969	Gold	Kennecott Utah Copper LLC	USA
CID002511	Gold	KGHM Polska Miedz Spolka Akcyjna	POLAND
CID000981	Gold	Kojima Chemicals Co., Ltd.	JAPAN
CID002605	Gold	Korea Zinc Co., Ltd.	KOREA, REPUBLIC OF
CID001029	Gold	Kyrgyzaltyn JSC	KYRGYZSTAN
CID002865	Gold	Kyshtym Copper-Electrolytic Plant ZAO	RUSSIAN FEDERATION
CID001032	Gold	L'azurde Company For Jewelry	SAUDI ARABIA
CID001056	Gold	Lingbao Gold Co., Ltd.	CHINA
CID001058	Gold	Lingbao Jinyuan Tonghui Refinery Co., Ltd.	CHINA
CID002762	Gold	L'Orfebre S.A.	ANDORRA
CID001078	Gold	LS-NIKKO Copper Inc.	KOREA, REPUBLIC OF
CID001093	Gold	Luoyang Zijin Yinhuai Gold Refinery Co., Ltd.	CHINA
CID002606	Gold	Marsam Metals	BRAZIL
CID001113	Gold	Materion	USA



CID	Metal	Name	Country
CID001119	Gold	Matsuda Sangyo Co., Ltd.	JAPAN
CID001149	Gold	Metalor Technologies (Hong Kong) Ltd.	CHINA
CID001152	Gold	Metalor Technologies (Singapore) Pte., Ltd.	SINGAPORE
CID001147	Gold	Metalor Technologies (Suzhou) Ltd.	CHINA
CID001153	Gold	Metalor Technologies S.A.	SWITZERLAND
CID001157	Gold	Metalor USA Refining Corporation	USA
CID001161	Gold	Metalurgica Met-Mex Penoles S.A. De C.V.	MEXICO
CID001188	Gold	Mitsubishi Materials Corporation	JAPAN
CID001193	Gold	Mitsui Mining and Smelting Co., Ltd.	JAPAN
CID002509	Gold	MMTC-PAMP India Pvt., Ltd.	INDIA
CID002857	Gold	Modeltech Sdn Bhd	MALAYSIA
CID002282	Gold	Morris and Watson	NEW ZEALAND
CID002866	Gold	Morris and Watson Gold Coast	AUSTRALIA
CID001204	Gold	Moscow Special Alloys Processing Plant	RUSSIAN FEDERATION
CID001220	Gold	Nadir Metal Rafineri San. Ve Tic. A.S.	TURKEY
CID001236	Gold	Navoi Mining and Metallurgical Combinat	UZBEKISTAN
CID001259	Gold	Nihon Material Co., Ltd.	JAPAN
CID002779	Gold	Ogussa Osterreichische Gold- und Silber-Scheideanstalt GmbH	AUSTRIA
CID001325	Gold	Ohura Precious Metal Industry Co., Ltd.	JAPAN
CID001326	Gold	OJSC "The Gulidov Krasnoyarsk Non-Ferrous Metals Plant" (OJSC Krastsvetmet)	RUSSIAN FEDERATION
CID000493	Gold	OJSC Novosibirsk Refinery	RUSSIAN FEDERATION
CID001352	Gold	PAMP S.A.	SWITZERLAND
CID002872	Gold	Pease & Curren	USA
CID001362	Gold	Penglai Penggang Gold Industry Co., Ltd.	CHINA
CID002919	Gold	Planta Recuperadora de Metales SpA	CHILE
CID001386	Gold	Prioksky Plant of Non-Ferrous Metals	RUSSIAN FEDERATION
CID001397	Gold	PT Aneka Tambang (Persero) Tbk	INDONESIA
CID001498	Gold	PX Precinox S.A.	SWITZERLAND
CID001512	Gold	Rand Refinery (Pty) Ltd.	SOUTH AFRICA
CID000522	Gold	Refinery of Seemine Gold Co., Ltd.	CHINA
CID002582	Gold	Remondis Argentia B.V.	NETHERLANDS
CID002510	Gold	Republic Metals Corporation	USA
CID001534	Gold	Royal Canadian Mint	CANADA
CID002761	Gold	SAAMP	FRANCE
CID001546	Gold	Sabin Metal Corp.	USA
CID002973	Gold	Safimet S.p.A	ITALY
CID002290	Gold	SAFINA A.S.	CZECH REPUBLIC
CID002853	Gold	Sai Refinery	INDIA
CID001555	Gold	Samduck Precious Metals	KOREA, REPUBLIC OF

CID	Metal	Name	Country
CID001562	Gold	Samwon Metals Corp.	KOREA, REPUBLIC OF
CID002777	Gold	SAXONIA Edelmetalle GmbH	GERMANY
CID001585	Gold	SEMPSA Joyeria Plateria S.A.	SPAIN
CID001619	Gold	Shandong Tiancheng Biological Gold Industrial Co., Ltd.	CHINA
CID001622	Gold	Shandong Zhaojin Gold & Silver Refinery Co., Ltd.	CHINA
CID001736	Gold	Sichuan Tianze Precious Metals Co., Ltd.	CHINA
CID002516	Gold	Singway Technology Co., Ltd.	TAIWAN, PROVINCE OF CHINA
CID001756	Gold	SOE Shyolkovsky Factory of Secondary Precious Metals	RUSSIAN FEDERATION
CID001761	Gold	Solar Applied Materials Technology Corp.	TAIWAN, PROVINCE OF CHINA
CID003153	Gold	State Research Institute Center for Physical Sciences and Technology	LITHUANIA
CID002567	Gold	Sudan Gold Refinery	SUDAN
CID001798	Gold	Sumitomo Metal Mining Co., Ltd.	JAPAN
CID002918	Gold	SungEel HiMetal Co., Ltd.	KOREA, REPUBLIC OF
CID002580	Gold	T.C.A S.p.A	ITALY
CID001875	Gold	Tanaka Kikinzoku Kogyo K.K.	JAPAN
CID001916	Gold	The Refinery of Shandong Gold Mining Co., Ltd.	CHINA
CID001938	Gold	Tokuriki Honten Co., Ltd.	JAPAN
CID001947	Gold	Tongling Nonferrous Metals Group Co., Ltd.	CHINA
CID002587	Gold	Tony Goetz NV	BELGIUM
CID002615	Gold	TOO Tau-Ken-Altyn	KAZAKHSTAN
CID001955	Gold	Torecom	KOREA, REPUBLIC OF
CID001977	Gold	Umicore Brasil Ltda.	BRAZIL
CID002314	Gold	Umicore Precious Metals Thailand	THAILAND
CID001980	Gold	Umicore S.A. Business Unit Precious Metals Refining	BELGIUM
CID001993	Gold	United Precious Metal Refining, Inc.	USA
CID002854	Gold	Universal Precious Metals Refining Zambia	ZAMBIA
CID002003	Gold	Valcambi S.A.	SWITZERLAND
CID002030	Gold	Western Australian Mint (T/a The Perth Mint)	AUSTRALIA
CID002778	Gold	WIELAND Edelmetalle GmbH	GERMANY
CID002100	Gold	Yamakin Co., Ltd.	JAPAN
CID002129	Gold	Yokohama Metal Co., Ltd.	JAPAN
CID000197	Gold	Yunnan Copper Industry Co., Ltd.	CHINA
CID002224	Gold	Zhongyuan Gold Smelter of Zhongjin Gold Corporation	CHINA
CID000092	Tantalum	Asaka Riken Co., Ltd.	JAPAN
CID000211	Tantalum	Changsha South Tantalum Niobium Co., Ltd.	CHINA
CID002504	Tantalum	D Block Metals, LLC	USA
CID000456	Tantalum	Exotech Inc.	USA
CID000460	Tantalum	F&X Electro-Materials Ltd.	CHINA

CID	Metal	Name	Country
CID002505	Tantalum	FIR Metals & Resource Ltd.	CHINA
CID002558	Tantalum	Global Advanced Metals Aizu	JAPAN
CID002557	Tantalum	Global Advanced Metals Boyertown	USA
CID000291	Tantalum	Guangdong Rising Rare Metals-EO Materials Ltd.	CHINA
CID000616	Tantalum	Guangdong Zhiyuan New Material Co., Ltd.	CHINA
CID002544	Tantalum	H.C. Starck Co., Ltd.	THAILAND
CID002547	Tantalum	H.C. Starck Hermsdorf GmbH	GERMANY
CID002548	Tantalum	H.C. Starck Inc.	USA
CID002549	Tantalum	H.C. Starck Ltd.	JAPAN
CID002550	Tantalum	H.C. Starck Smelting GmbH & Co. KG	GERMANY
CID002545	Tantalum	H.C. Starck Tantalum and Niobium GmbH	GERMANY
CID002492	Tantalum	Hengyang King Xing Lifeng New Materials Co., Ltd.	CHINA
CID002512	Tantalum	Jiangxi Dinghai Tantalum & Niobium Co., Ltd.	CHINA
CID002842	Tantalum	Jiangxi Tuohong New Raw Material	CHINA
CID003191	Tantalum	Jiujiang Janny New Material Co., Ltd.	CHINA
CID000914	Tantalum	JiuJiang JinXin Nonferrous Metals Co., Ltd.	CHINA
CID000917	Tantalum	Jiujiang Tanbre Co., Ltd.	CHINA
CID002506	Tantalum	Jiujiang Zhongao Tantalum & Niobium Co., Ltd.	CHINA
CID002539	Tantalum	KEMET Blue Metals	MEXICO
CID002568	Tantalum	KEMET Blue Powder	USA
CID001076	Tantalum	LSM Brasil S.A.	BRAZIL
CID001163	Tantalum	Metallurgical Products India Pvt., Ltd.	INDIA
CID001175	Tantalum	Mineracao Taboca S.A.	BRAZIL
CID001192	Tantalum	Mitsui Mining and Smelting Co., Ltd.	JAPAN
CID001277	Tantalum	Ningxia Orient Tantalum Industry Co., Ltd.	CHINA
CID001200	Tantalum	NPM Silmet AS	ESTONIA
CID002847	Tantalum	Power Resources Ltd.	MACEDONIA, THE FORMER YUGOSLAV REPUBLIC OF
CID001508	Tantalum	QuantumClean	USA
CID002707	Tantalum	Resind Industria e Comercio Ltda.	BRAZIL
CID001522	Tantalum	RFH Tantalum Smeltery Co., Ltd./Yanling Jincheng Tantalum & Niobium Co., Ltd.	CHINA
CID001769	Tantalum	Solikamsk Magnesium Works OAO	RUSSIAN FEDERATION
CID001869	Tantalum	Taki Chemical Co., Ltd.	JAPAN
CID001891	Tantalum	Telex Metals	USA
CID001969	Tantalum	Ulba Metallurgical Plant JSC	KAZAKHSTAN
CID002508	Tantalum	XinXing HaoRong Electronic Material Co., Ltd.	CHINA
CID000292	Tin	Alpha	USA
CID002703	Tin	An Vinh Joint Stock Mineral Processing Company	VIET NAM
CID000228	Tin	Chenzhou Yunxiang Mining and Metallurgy Co., Ltd.	CHINA
CID003190	Tin	Chifeng Dajingzi Tin Industry Co., Ltd.	CHINA

CID	Metal	Name	Country
CID001070	Tin	China Tin Group Co., Ltd.	CHINA
CID000278	Tin	CNMC (Guangxi) PGMA Co., Ltd.	CHINA
CID002570	Tin	CV Ayi Jaya	INDONESIA
CID002592	Tin	CV Dua Sekawan	INDONESIA
CID000306	Tin	CV Gita Pesona	INDONESIA
CID000315	Tin	CV United Smelting	INDONESIA
CID002455	Tin	CV Venus Inti Perkasa	INDONESIA
CID000402	Tin	Dowa	JAPAN
CID002572	Tin	Electro-Mechanical Facility of the Cao Bang Minerals & Metallurgy Joint Stock Company	VIET NAM
CID000438	Tin	EM Vinto	BOLIVIA
CID000448	Tin	Estanho de Rondonia S.A.	BRAZIL
CID000468	Tin	Fenix Metals	POLAND
CID002848	Tin	Gejiu Fengming Metallurgy Chemical Plant	CHINA
CID002859	Tin	Gejiu Jinye Mineral Company	CHINA
CID000942	Tin	Gejiu Kai Meng Industry and Trade LLC	CHINA
CID000538	Tin	Gejiu Non-Ferrous Metal Processing Co., Ltd.	CHINA
CID001908	Tin	Gejiu Yunxin Nonferrous Electrolysis Co., Ltd.	CHINA
CID000555	Tin	Gejiu Zili Mining And Metallurgy Co., Ltd.	CHINA
CID003116	Tin	Guangdong Hanhe Non-Ferrous Metal Co., Ltd.	CHINA
CID002849	Tin	Guanyang Guida Nonferrous Metal Smelting Plant	CHINA
CID002844	Tin	HuiChang Hill Tin Industry Co., Ltd.	CHINA
CID000760	Tin	Huichang Jinshunda Tin Co., Ltd.	CHINA
CID000244	Tin	Jiangxi Ketai Advanced Material Co., Ltd.	CHINA
CID001231	Tin	Jiangxi New Nanshan Technology Ltd.	CHINA
CID002468	Tin	Magnu's Minerais Metais e Ligas Ltda.	BRAZIL
CID001105	Tin	Malaysia Smelting Corporation (MSC)	MALAYSIA
CID002500	Tin	Melt Metais e Ligas S.A.	BRAZIL
CID001142	Tin	Metallic Resources, Inc.	USA
CID002773	Tin	Metallo Belgium N.V.	BELGIUM
CID002774	Tin	Metallo Spain S.L.U.	SPAIN
CID001173	Tin	Mineracao Taboca S.A.	BRAZIL
CID001182	Tin	Minsur	PERU
CID001191	Tin	Mitsubishi Materials Corporation	JAPAN
CID002858	Tin	Modeltech Sdn Bhd	MALAYSIA
CID002573	Tin	Nghe Tinh Non-Ferrous Metals Joint Stock Company	VIET NAM
CID001314	Tin	O.M. Manufacturing (Thailand) Co., Ltd.	THAILAND
CID002517	Tin	O.M. Manufacturing Philippines, Inc.	PHILIPPINES
CID001337	Tin	Operaciones Metalurgical S.A.	BOLIVIA
CID003208	Tin	Pongpipat Company Limited	MYANMAR
CID000309	Tin	PT Aries Kencana Sejahtera	INDONESIA

CID	Metal	Name	Country
CID001399	Tin	PT Artha Cipta Langgeng	INDONESIA
CID002503	Tin	PT ATD Makmur Mandiri Jaya	INDONESIA
CID001402	Tin	PT Babel Inti Perkasa	INDONESIA
CID001406	Tin	PT Babel Surya Alam Lestari	INDONESIA
CID002776	Tin	PT Bangka Prima Tin	INDONESIA
CID003205	Tin	PT Bangka Serumpun	INDONESIA
CID001419	Tin	PT Bangka Tin Industry	INDONESIA
CID001421	Tin	PT Belitung Industri Sejahtera	INDONESIA
CID001428	Tin	PT Bukit Timah	INDONESIA
CID001434	Tin	PT DS Jaya Abadi	INDONESIA
CID001438	Tin	PT Eunindo Usaha Mandiri	INDONESIA
CID002530	Tin	PT Inti Stania Prima	INDONESIA
CID001448	Tin	PT Karimun Mining	INDONESIA
CID002829	Tin	PT Kijang Jaya Mandiri	INDONESIA
CID002870	Tin	PT Lautan Harmonis Sejahtera	INDONESIA
CID002835	Tin	PT Menara Cipta Mulia	INDONESIA
CID001453	Tin	PT Mitra Stania Prima	INDONESIA
CID001457	Tin	PT Panca Mega Persada	INDONESIA
CID000313	Tin	PT Premium Tin Indonesia	INDONESIA
CID001458	Tin	PT Prima Timah Utama	INDONESIA
CID002593	Tin	PT Rajehan Ariq	INDONESIA
CID001460	Tin	PT Refined Bangka Tin	INDONESIA
CID001463	Tin	PT Sariwiguna Binasentosa	INDONESIA
CID001468	Tin	PT Stanindo Inti Perkasa	INDONESIA
CID002816	Tin	PT Sukses Inti Makmur	INDONESIA
CID001471	Tin	PT Sumber Jaya Indah	INDONESIA
CID001477	Tin	PT Timah (Persero) Tbk Kundur	INDONESIA
CID001482	Tin	PT Timah (Persero) Tbk Mentok	INDONESIA
CID001490	Tin	PT Tinindo Inter Nusa	INDONESIA
CID001493	Tin	PT Tommy Utama	INDONESIA
CID002706	Tin	Resind Industria e Comercio Ltda.	BRAZIL
CID001539	Tin	Rui Da Hung	TAIWAN, PROVINCE OF CHINA
CID001758	Tin	Soft Metais Ltda.	BRAZIL
CID002756	Tin	Super Ligas	BRAZIL
CID001898	Tin	Thaisarco	THAILAND
CID002574	Tin	Tuyen Quang Non-Ferrous Metals Joint Stock CO.	VIET NAM
CID002036	Tin	White Solder Metalurgia e Mineracao Ltda.	BRAZIL
CID002158	Tin	Yunnan Chengfeng Non-ferrous Metals Co., Ltd.	CHINA
CID002180	Tin	Yunnan Tin Company Limited	CHINA
CID000004	Tungsten	A.L.M.T. TUNGSTEN Corp.	JAPAN



CID	Metal	Name	Country
CID002833	Tungsten	ACL Metais Eireli	BRAZIL
CID002502	Tungsten	Asia Tungsten Products Vietnam Ltd.	VIET NAM
CID002513	Tungsten	Chenzhou Diamond Tungsten Products Co., Ltd.	CHINA
CID000258	Tungsten	Chongyi Zhangyuan Tungsten Co., Ltd.	CHINA
CID000499	Tungsten	Fujian Jinxin Tungsten Co., Ltd.	CHINA
CID002645	Tungsten	Ganzhou Haichuang Tungsten Co., Ltd.	CHINA
CID000875	Tungsten	Ganzhou Huaxing Tungsten Products Co., Ltd.	CHINA
CID002315	Tungsten	Ganzhou Jiangwu Ferrotungsten Co., Ltd.	CHINA
CID002494	Tungsten	Ganzhou Seadragon W & Mo Co., Ltd.	CHINA
CID002536	Tungsten	Ganzhou Yatai Tungsten Co., Ltd.	CHINA
CID000568	Tungsten	Global Tungsten & Powders Corp.	USA
CID000218	Tungsten	Guangdong Xianglu Tungsten Co., Ltd.	CHINA
CID002542	Tungsten	H.C. Starck Smelting GmbH & Co. KG	GERMANY
CID002541	Tungsten	H.C. Starck Tungsten GmbH	GERMANY
CID000766	Tungsten	Hunan Chenzhou Mining Co., Ltd.	CHINA
CID002579	Tungsten	Hunan Chuangda Vanadium Tungsten Co., Ltd. Wuji	CHINA
CID000769	Tungsten	Hunan Chunchang Nonferrous Metals Co., Ltd.	CHINA
CID003182	Tungsten	Hunan Litian Tungsten Industry Co., Ltd.	CHINA
CID002649	Tungsten	Hydrometallurg, JSC	RUSSIAN FEDERATION
CID000825	Tungsten	Japan New Metals Co., Ltd.	JAPAN
CID002551	Tungsten	Jiangwu H.C. Starck Tungsten Products Co., Ltd.	CHINA
CID002647	Tungsten	Jiangxi Dayu Longxintai Tungsten Co., Ltd.	CHINA
CID002321	Tungsten	Jiangxi Gan Bei Tungsten Co., Ltd.	CHINA
CID002313	Tungsten	Jiangxi Minmetals Gao'an Non-ferrous Metals Co., Ltd.	CHINA
CID002318	Tungsten	Jiangxi Tonggu Non-ferrous Metallurgical & Chemical Co., Ltd.	CHINA
CID002317	Tungsten	Jiangxi Xinsheng Tungsten Industry Co., Ltd.	CHINA
CID002535	Tungsten	Jiangxi Xiushui Xianggan Nonferrous Metals Co., Ltd.	CHINA
CID002316	Tungsten	Jiangxi Yaosheng Tungsten Co., Ltd.	CHINA
CID000966	Tungsten	Kennametal Fallon	USA
CID000105	Tungsten	Kennametal Huntsville	USA
CID002319	Tungsten	Malipo Haiyu Tungsten Co., Ltd.	CHINA
CID002845	Tungsten	Moliren Ltd.	RUSSIAN FEDERATION
CID002589	Tungsten	Niagara Refining LLC	USA
CID002543	Tungsten	Nui Phao H.C. Starck Tungsten Chemicals Manufacturing LLC	VIET NAM
CID002827	Tungsten	Philippine Chuangxin Industrial Co., Inc.	PHILIPPINES
CID002815	Tungsten	South-East Nonferrous Metal Company Limited of Hengyang City	CHINA
CID001889	Tungsten	Tejing (Vietnam) Tungsten Co., Ltd.	VIET NAM
CID002724	Tungsten	Unecha Refractory metals plant	RUSSIAN FEDERATION
CID002011	Tungsten	Vietnam Youngsun Tungsten Industry Co., Ltd.	VIET NAM

CID	Metal	Name	Country
CID002044	Tungsten	Wolfram Bergbau und Hutten AG	AUSTRIA
CID002843	Tungsten	Woltech Korea Co., Ltd.	KOREA, REPUBLIC OF
CID002320	Tungsten	Xiamen Tungsten (H.C.) Co., Ltd.	CHINA
CID002082	Tungsten	Xiamen Tungsten Co., Ltd.	CHINA
CID002830	Tungsten	Xinfeng Huarui Tungsten & Molybdenum New Material Co., Ltd.	CHINA
CID002095	Tungsten	Xinhai Rendan Shaoguan Tungsten Co., Ltd.	CHINA

## Appendix 2: Reasonable Country of Origin Inquiry List

Countries from which the minerals in Dell's products may have originated based on RMI's Reasonable Country of Origin Inquiry report dated May 18, 2018. The origin of the 3TG processed by facilities listed in Appendix 1 are believed to be the following:

Argentina	Madagascar
Australia	Malaysia
Austria	Mali
Benin	Mexico
Bolivia	Mongolia
Brazil	Mozambique
Burkina Faso	Myanmar
Burundi	Namibia
Cambodia	Nicaragua
Canada	Nigeria
Chile	Panama
China	Peru
Colombia	Portugal
Congo, Democratic Republic of the	Russian Federation
Ecuador	Rwanda
Eritrea	Senegal
Ethiopia	Sierra Leone
France	South Africa
Ghana	Spain
Guatemala	Thailand
Guinea	Togo
Honduras	United Kingdom of Great Britain and Northern Ireland
India	United States of America
Indonesia	Uzbekistan

Japan	Viet Nam
Kazakhstan	Zimbabwe

## Appendix 3: List of Verified Cobalt Refiners

This data is based on the initial supplier survey sent to battery suppliers and validated through the RMI refiners database.

S M E L T E R	C O U N T R Y
Freeport Kokkola	Finland
Gangzhou Yi Hao Umicore Industry Co.	China
Gem (Jiangsu) Cobalt Industry Co., Ltd.	China
Umicore Olen	Belgium