

# PTC® Windchill® Compliance

REDUCE RISK WITH EARLY, ACCURATE VISIBILITY INTO COMPLIANCE

PTC Windchill® Compliance enables manufacturers to build compliance into the earliest phases of product development, so they can bring compliant products to market faster with less risk. Now you can meet your compliance and due diligence objectives as well as reduce risk by identifying and resolving design issues and potential points of failure before they become costly problems in manufacturing or cause serious recalls in the field.

The newly instituted Conflict Minerals rule is just the latest in a growing number of government regulations and customer requirements necessitating compliance, due diligence and reporting. So, what exactly are the costs if your products or enterprise fail to comply? Blocked shipments, costly redesigns, and scrapped parts are just the tip of the iceberg. No doubt, the stakes are high – with potentially millions of dollars in lost revenue, production stops, fines or even shareholder lawsuits.

To avoid these costs, manufacturers must grade their products against numerous regulations while keeping up with frequent changes in product designs, parts, suppliers, and in the regulations themselves.

Conflict minerals, REACH, RoHS, CPSIA, CA Prop 65, WEEE, RRR, Battery and Packaging Directives, and trade compliance can require reporting on a product's restricted substances, country of origin, recyclability, packaging, safety, UL, ecolabeling and other critical regulatory obligations.

PTC Windchill Compliance is an industry-proven product used by leading manufacturers for tracking and managing the compliance of their products throughout the entire lifecycle. This module leverages PTC Windchill Materials & Substances to automate

the collection of supplier information and can optionally integrate with your existing enterprise systems to utilize real-time bill-of-material (BOM), product or supply chain data.

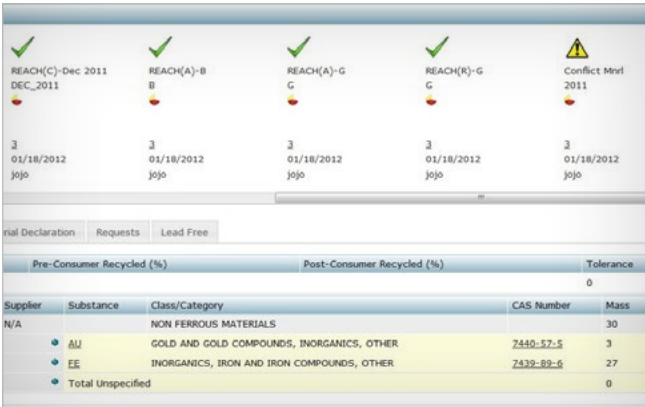
## Key Benefits

### **Reduce the risk of blocked sales, product redesigns, and other costs**

With PTC Windchill Compliance, manufacturers can view the compliance status of suppliers, parts and BOMs against numerous regulations and customer requirements. It provides the necessary supply-chain traceability and audit-trail history to prove compliance for regulators. Users can drill down into products to identify problems and view data confidence reports to assess risk. By analyzing compliance early in the product development process, manufacturers can resolve issues before they result in blocked sales or unexpected tariffs and fees.

### **Ensure products stay compliant and track evolving regulations**

Managing compliance is not an event; it's an ongoing process. PTC Windchill Compliance will help ensure that product portfolios remain compliant throughout the entire product lifecycle – as new products



Standard	Status	Compliance Date	Compliance Value	Compliance Unit
REACH(C)-Dec 2011	Compliant (Green Check)	01/18/2012	3	Jg/g
REACH(A)-B	Compliant (Green Check)	01/18/2012	3	Jg/g
REACH(A)-G	Compliant (Green Check)	01/18/2012	3	Jg/g
REACH(R)-G	Compliant (Green Check)	01/18/2012	3	Jg/g
Conflict Mtrl 2011	Warning (Yellow Triangle)	01/18/2012	3	Jg/g

Supplier	Substance	Class/Category	CAS Number	Mass
N/A		NON FERROUS MATERIALS		30
	• AU	GOLD AND GOLD COMPOUNDS, INORGANICS, OTHER	7440-57-5	3
	• EE	INORGANICS, IRON AND IRON COMPOUNDS, OTHER	7439-89-5	27
	• Total Unspecified			0

Track the compliance status of parts and products, relative to multiple standards.

are introduced, and new materials and suppliers are qualified. As regulations such as REACH, Conflict Minerals and RoHS evolve, and new restricted substances are identified and exemptions expire, your team will be kept up-to-date on the changes to requirements. Additionally, by tracking REACH suspect Substances of Very High Concern (SVHC), you can anticipate forthcoming regulation changes, monitor risk exposure, and maintain proactive compliance requirements.

### Design for compliance

By making compliance data available in the earliest phases of product development – where decisions have the most impact and are least disruptive, manufacturers can bring compliant products to market faster and avoid unnecessary tariffs. With visual displays in PTC Windchill Compliance, users always know the compliance status of their products. Having the power to analyze what-if scenarios will also allow users to explore the compliance status of design alternatives, resulting in better-informed decisions, fewer late-cycle changes, and reduced downstream costs.

## Features

### Environmental Regulations and Standards

PTC Windchill Compliance provides customers with analysis and reporting to comply with today's key government regulations:

- Conflict Minerals – Including part, product and supplier information
- Country of origin
- REACH (Registration, Evaluation, Authorization and Restriction of Chemicals), including suspect REACH SVHC
- EU RoHS (Restriction of certain Hazardous Substances), China RoHS, and RoHS exemption management
- ELV (End-of-life Vehicle)

**Additional analysis and compliance support is available for:**

- The Joint Industry Guide (JIG)
- Global Automotive Declarable Substance List (GADSL)
- WEEE (Waste Electrical and Electronic Equipment)
- CPSIA (Consumer Product Safety Improvement Act)
- RRR (Reduce, Reuse and Recycle)
- California Proposition 65
- Halogen-Free
- Battery & Packaging Directives
- Customer-specific requirements

## Risk Management, Reporting and Analytics

Generate reports to demonstrate compliance and due diligence and identify and mitigate risks early. Intuitive dashboards and status icons make complex analysis easy to understand.

- Patented algorithm provides the most accurate analysis of your product available on the market (with multi-source and multi-BOM-level analysis, best- and worst-case analysis, what-if analysis)
- Exemption management
- Forward-looking visibility into substances of concern, to address supply availability and risk
- Reports for assessing data confidence and risk in your products and supply chain
- Analysis of data disclosure: Yes/No Certificate of Compliance, partial disclosure (banned/reportable), full material disclosure
- Evidence of due diligence and an exhaustive audit trail – including the OECD framework for Conflict Minerals – that traces compliance status back to source data
- Identify the presence, masses and concentrations of substances and materials in parts and products
- Reasonable country of origin inquiries (RCOI)
- Build your own custom compliance reports, or perform ad-hoc analysis to track and understand risk

## Requirements & Platform Specifications

- Requires installation of PTC Windchill Materials & Substances
- Server Operating Systems: Microsoft Windows®, Unix®, Red Hat Enterprise Linux 5®
- Java: Java version 1.6 and higher
- Browser: Internet Explorer®, Mozilla Firefox®
- Database: Oracle® 11g R2, Microsoft SQL Server® 2008
- Languages: English, Chinese (Simplified and Traditional), French, German, Japanese, Korean

For the most up-to-date platform support information, please visit: [PTC.com/partners/hardware/current/support.htm](http://PTC.com/partners/hardware/current/support.htm)

## Systems Integration

PTC Windchill Compliance builds compliance into the standard product development process. It integrates with design and supply chain data management systems, including:

- PLM: PTC Windchill®, Teamcenter®, ENOVIA® and others
- ERP: SAP®, Oracle® and others

## Learn More

For more information on PTC Windchill Compliance, please visit: [ptc.com/product/windchill/compliance](http://ptc.com/product/windchill/compliance)

NOTE: The timing of any product release, including any features or functionality, is subject to change at PTC's discretion.

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