

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549**

**FORM SD  
SPECIALIZED DISCLOSURE REPORT**

**NORTHROP GRUMMAN CORPORATION**

(Exact name of the registrant as specified in its charter)

**Delaware**

(State or Other Jurisdiction of Incorporation)

**1-16411**

(Commission File Number)

**2980 Fairview Park Drive, Falls Church VA 22042**

(Address of Principal Executive Offices) (Zip Code)

**Michael A. Hardesty  
Corporate Vice President, Controller and Chief Accounting Officer  
(703) 280-2900**

(Name and telephone number, including area code, of the person to contact in connection with this report.)

Check the appropriate box to indicate the rule pursuant to which this form is being filed:

- Rule 13p-1 under the Securities Exchange Act (17 CFR 240.13p-1) for the reporting period from January 1 to December 31, 2022.
- Rule 13q-1 under the Securities Exchange Act (17 CFR 240.13q-1) for the fiscal year ended \_\_\_\_\_.

## **Introduction:**

This Form SD of Northrop Grumman Corporation (herein referred to as "Northrop Grumman," the "company," "we," "us," or "our") is filed pursuant to Rule 13p-1 (the "Rule") promulgated under the Securities Exchange Act of 1934, as amended, for the reporting period January 1, 2022 to December 31, 2022.

Rule 13p-1 requires disclosure of certain information when a company manufactures or contracts to manufacture products using the minerals specified in the Rule (gold, columbite-tantalite (coltan), cassiterite and wolframite, including their derivatives, tantalum, tin and tungsten, which we collectively refer to as "3TG minerals") and where those minerals are necessary to the functionality or production of such products. "Conflict Minerals" for purposes of the Rule and this Report include the 3TG minerals and any other minerals determined by the U.S. Secretary of State to be financing conflict in the Democratic Republic of the Congo, the Republic of the Congo, the Central African Republic, South Sudan, Uganda, Rwanda, Burundi, Tanzania, Zambia and Angola (the "Covered Countries").

Statements in this Form SD or the Conflict Minerals Report included as Exhibit 1.01 may include forward-looking statements. Words such as "expect," "intend," "may," "could," "plan," "believe," "anticipate," and similar expressions generally identify these forward-looking statements. Forward-looking statements include, among other things, statements relating to our intended improvement efforts to mitigate risk. Forward-looking statements are based upon assumptions, expectations, plans and projections that we believe to be reasonable when made, but which may change over time. These statements are not guarantees of future performance and inherently involve a wide range of risks and uncertainties that are difficult to predict. You are urged to consider the limitations on, and the risks associated with, the forward-looking statements and not unduly rely on the accuracy of the forward-looking statements. We undertake no obligation to publicly update or revise any forward-looking statements, whether as a result of new information, future events or otherwise, except as required by applicable law.

## **Section 1 - Conflict Minerals Disclosure**

### **Item 1.01 Conflict Minerals Disclosure and Report**

We determined that, during 2022, we manufactured and/or contracted to manufacture products containing 3TG minerals necessary to the functionality or production of such products. As discussed in more detail in our Conflict Minerals Report included as Exhibit 1.01, we are not able to determine the countries of origin or facilities used to produce the 3TG minerals in our products. The Conflict Minerals Report is available on our website at: [www.northropgrumman.com](http://www.northropgrumman.com).

### **Item 1.02 Exhibit**

As specified in Section 3, Item 3.01 of this Form SD, the company hereby files its Conflict Minerals Report as Exhibit 1.01 to this report.

## Section 3 - Exhibits

### Item 3.01 Exhibits

<u>Exhibit</u>	<u>Description</u>
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1.01	<a href="#">Conflict Minerals Report of Northrop Grumman Corporation</a>
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## SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the duly authorized undersigned.

**NORTHROP GRUMMAN CORPORATION**  
(Registrant)

Date: May 22, 2023

By: /s/ Michael A. Hardesty  
Michael A. Hardesty  
Corporate Vice President, Controller and Chief  
Accounting Officer

**Conflict Minerals Report**  
**of**  
**Northrop Grumman Corporation**  
**For the Year Ended December 31, 2022**

**Section 1: Introduction**

This Conflict Minerals Report ("Report") of Northrop Grumman Corporation (herein referred to as "Northrop Grumman," the "company," "we," "us," or "our") has been prepared pursuant to Rule 13p-1 (the "Rule") and Form SD promulgated under the Securities Exchange Act of 1934, as amended, for the reporting period January 1, 2022 to December 31, 2022.

Rule 13p-1 requires disclosure of certain information when a company manufactures or contracts to manufacture products using the minerals specified in the Rule (gold, columbite-tantalite (coltan), cassiterite and wolframite, including their derivatives, tantalum, tin and tungsten, which we collectively refer to as "3TG minerals") and where those minerals are necessary to the functionality or production of such products. "Conflict Minerals" for purposes of the Rule and this Report include the 3TG minerals and any other minerals determined by the United States (U.S.) Secretary of State to be financing conflict in the Democratic Republic of the Congo, the Republic of the Congo, the Central African Republic, South Sudan, Uganda, Rwanda, Burundi, Tanzania, Zambia and Angola (the "Covered Countries").

We have issued a Conflict Minerals statement. This statement sets forth our commitment to the responsible sourcing of minerals through our global supply chain and can be found on our website at [www.northropgrumman.com/CorporateResponsibility/Pages/ConflictMineralsStatement.aspx](http://www.northropgrumman.com/CorporateResponsibility/Pages/ConflictMineralsStatement.aspx). References to our website in this report are provided as a convenience and do not constitute, and should not be viewed as, incorporation by reference of the information contained on, or available through, our website.

**Company Overview**

Northrop Grumman Corporation is a leading global aerospace and defense technology company. We deliver a broad range of products, services and solutions to United States (U.S.) and international customers, and principally to the U.S. Department of Defense (DoD) and intelligence community. Our broad portfolio is aligned to support national security priorities and our solutions equip our customers with capabilities they need to connect, protect and advance humanity.

The company is a leading provider of space systems, advanced aircraft, missile defense, advanced weapons and long-range fires capabilities, mission systems, networking and communications, strategic deterrence systems, and breakthrough technologies, such as artificial intelligence, advanced computing and cyber. We are focused on competing and winning programs that enable continued growth, performing on our commitments and affordably delivering capability our customers need. With the investments we've made in advanced technologies, combined with our talented workforce and digital transformation capabilities, Northrop Grumman is well positioned to meet our customers' needs today and in the future.

## Section 2: Due Diligence Process

We determined that, during 2022, we manufactured and/or contracted to manufacture products containing 3TG minerals necessary for the functionality or production of such products. Our global supply chain is complex and includes many third parties in the supply chain between us and the original source of 3TG minerals in our products.

We conducted a Supply Chain and Reasonable Country of Origin Inquiry (RCOI) to seek to determine whether the 3TG minerals in our products originated from the Covered Countries. Our RCOI principally consisted of attempting to: (i) identify products we believed contained, or were likely to contain, 3TG minerals, (ii) determine the source of 3TG minerals directly procured by the company, and (iii) survey direct suppliers and/or subcontractors (collectively "suppliers") who provide components and parts for those of our products with potential 3TG content. We rely on our direct suppliers to provide information regarding the presence of 3TG minerals in components and materials that they supply to us and the origin of those 3TG minerals -- including sources of 3TG minerals that lower tier suppliers supply to them.

The following is a summary of our major product categories, which we believe are likely to contain 3TG content:

Aerospace structures	Cybersecurity systems	Naval surface and undersea systems
Air and missile defense systems	Defense Electronic Systems	Precision weapons
Airborne C4ISR systems	Early warning systems	Satellite, space systems and spacecraft components
Airborne fire control radars	Electronic warfare systems	Signals intelligence systems
Airspace management systems	Launch vehicles	Situational awareness systems
Autonomous systems	Manned aircraft	Medium and large-caliber ammunition

Command and control systems                      Missile interceptors, targets and missile products                      Solid rocket motors

Communications and intelligence systems    Modernization and sustainment systems    Training and simulation systems

We exercised due diligence to determine the source and chain of custody of 3TG minerals in our products and designed our due diligence process to conform to the Organisation for Economic Co-operation and Development ("OECD") Due Diligence Guidance for Responsible Supply Chains of Minerals from Conflict-Affected and High-Risk Areas (OECD, 2016) ("OECD Framework").

### **Section 3: Due Diligence Measures Undertaken**

We undertook the following due diligence measures during the 2022 reporting period:

#### **Utilized Established Company Management Systems**

- Reviewed our conflict minerals statement, which can be found on our website at: [www.northropgrumman.com/CorporateResponsibility/Pages/ConflictMineralsStatement.aspx](http://www.northropgrumman.com/CorporateResponsibility/Pages/ConflictMineralsStatement.aspx)
- Participated as a member of the Aerospace Industries Association (AIA) Conflict Minerals working group.
- Participated as a member of the Responsible Minerals Initiative (RMI).
- Continued to employ a cross-functional project team to execute the principles set forth in the company's conflict minerals statement and oversee our internal due diligence efforts.
- Utilized an established Conflict Minerals Supplier Response Due Diligence Logic process to review and assess supplier responses.
- Continued to have an executive steering committee led by the Vice President, Corporate Global Supply Chain and including executives from Business Management; the Law Department; Information Technology; and Engineering, Programs and Quality overseeing the internal due diligence efforts.
- Trained representatives from our business sectors and corporate office on the requirements of the conflict minerals rule and how to assist our suppliers in providing the necessary information as it relates to conflict minerals.
- Briefed the company's Supply Chain Leadership Council, which includes representatives from our business sectors and corporate office, on our efforts to execute the requirements of the conflict minerals rule with suppliers.

- Presented a management reporting dashboard to summarize and evaluate the results of our supplier surveys and reported on the results of our survey process to the executive steering committee.
- Continued documentation and certification of our internal compliance process by each of our business sectors and the corporate office.
- Utilized the company's ethics hotline (the OpenLine) as a grievance mechanism to voice any concerns related to conflict minerals.

### **Identified and Assessed Risks in the Supply Chain**

- Published our Standards of Business Conduct for Suppliers and Other Trading Partners in 12 languages. The Standards of Business Conduct for Suppliers and Other Trading Partners apply to our suppliers at all tiers, and require our suppliers, including sub-contractors at all tiers, to comply with any applicable laws and regulations regarding conflict minerals and assist us in meeting our obligations under law and regulation, including by supporting our efforts to conduct due diligence on the use of conflict minerals in our supply chain. These Standards of Business Conduct for Suppliers and Other Trading Partners are publicly available on our website at <https://www.northropgrumman.com/suppliers/doing-business-with-northrop-grumman/northrop-grumman-standards-of-business-conduct-for-suppliers-and-other-trading-partners/>.
- Conducted a survey of direct suppliers of the company who provide components and parts for those of our products with potential 3TG content utilizing the RMI's Conflict Minerals Reporting Template (CMRT).
- Provided information regarding training materials for suppliers who received the CMRT template for completion.
- Supported the conflict minerals initiatives of the AIA, including a letter sent by the AIA to smelters and refiners which stated AIA's expectation of striving to become conflict-free.

### **Leveraged Established Strategy to Respond to Identified Risks**

- Reviewed supplier CMRT survey responses and followed up via email and/or phone call regarding incomplete, inconsistent or non-responsive supplier survey responses.
- Regarding supplier CMRT responses, utilized senior leadership to follow up on certain non-responsive suppliers, with a focus on those suppliers that represented a significant portion of our total spend during the reporting year.
- Continued to include a contractual clause related to conflict minerals in new and renewed contracts as part of our standard Terms and Conditions for U.S. supplier contracts and certain international supplier contracts.



## **Carried Out Independent Third-Party Audit of Smelter/Refiner Due Diligence Practices**

We do not, to our knowledge, directly purchase 3TG minerals from any of the Covered Countries. We are a downstream consumer of 3TG minerals and are many levels removed from the smelters and refiners who provide minerals and ores to our suppliers. Therefore, we did not perform or direct audits to be performed of smelters and refiners in our supply chain. Through our membership and participation in RMI, we leveraged the RMI's audit of smelters and refiners. The RMI uses an independent third-party auditor to identify smelters and refiners that assure sourcing of only conflict-free minerals.

## **Report Annually on Supply Chain Due Diligence**

This Report and the associated Form SD are available on our website at: [www.northropgrumman.com](http://www.northropgrumman.com).

## **Section 4: Independent Audit**

An independent private sector audit was not required for the 2022 reporting period.

## **Section 5: Due Diligence Results**

For the 2022 reporting period, our records indicate we surveyed suppliers representing approximately 95% of delivered parts or components that we believe could contain 3TG. We requested data at the supplier company level and accepted responses from the company level, division/segment level or product level, as applicable. We reviewed supplier responses according to our internal due diligence process and followed up with those suppliers who indicated they were sourcing 3TG from the Covered Countries.

Findings of our due diligence include suppliers indicating they were sourcing 3TG from the Covered Countries, suppliers indicating they did not know if they were sourcing 3TG from the Covered Countries, and suppliers indicating they were not sourcing from the Covered Countries. Of those suppliers that indicated they were sourcing 3TG from the Covered Countries, they were either sourcing from RMI certified smelters or refiners or they could not determine whether any 3TG sourced from the Covered Countries was contained in any parts or components delivered to Northrop Grumman. Based on our 2022 RCOI process and after exercising due diligence measures, we are unable to determine whether any of the 3TG minerals that these suppliers reported were actually contained in components or parts supplied to us.

## **Section 6: Continuous Efforts to Mitigate Risk**

We currently intend to take the following steps to support our due diligence process for future reporting periods:

1. Maintain membership and participation in the RMI and AIA Conflict Minerals working groups.

2. Continue to include a contractual clause related to the Conflict Minerals reporting requirements in new or renewed contracts for U.S. and certain international suppliers.
3. Continue to survey suppliers that we believe represent approximately 95% of expenditures for delivered parts or components that we believe could contain 3TG.
4. Continue to direct our suppliers to training and resources available about responsible sourcing of conflict minerals.
5. Continue to assess our internal process based on prior experience and determine whether any adjustments are appropriate.