UNITED STATES
INTERNATIONAL TRADE COMMISSION

UNWROUGHT AND WROUGHT ALUMINUM QUESTIONNAIRE

Interactive Completion Version

United States International Trade Commission
Attention: Aluminum Survey Project Team
Office of Industries, Room 511-G
500 E Street, SW, Washington, DC 20436
Fax: 202-205-2217

The U.S. International Trade Commission (USITC or Commission) is conducting a fact-finding investigation on the factors affecting the global competitiveness of the U.S. aluminum industry, focusing on unwrought and wrought aluminum products and related markets. The House Committee on Ways and Means requested this investigation, and has directed the USITC to collect data from market participants. By completing this questionnaire, you will be helping the Committee assess the market conditions confronting the U.S. industry.

Please read the questionnaire carefully. In all cases, section 1, questions 2.1, 3.1, and 4.1, and sections 5 and 6 must be completed. Sections 2, 3, and 4 must be completed depending on your responses to questions 2.1, 3.1, and 4.1.

You can learn more about this investigation (no. 332-557) by clicking on the following button:

Link to USITC website

Your organization is required by law to respond to this questionnaire.

Please read all instructions and return the completed questionnaire to the USITC no later than November 4, 2016.

We are requesting this information under the authority of section 332(g) of the Tariff Act of 1930 (19 U.S.C. § 1332(g)). Completing the questionnaire is mandatory, and failure to reply as directed can result in a subpoena or other order to compel the submission of records or information in your possession (19 U.S.C. § 1333(a)). For more information on this questionnaire, contact project team members Karl Tsuji or Mihir Torsekar at *aluminumsurvey@usitc.gov*. You may also call the team at 202-205-3225 or 202-205-3342.

Confidentiality

The Commission has designated as "confidential business information" the information you provide in response to this questionnaire, to the extent that such information would reveal the operations of your organization and is not otherwise available to the public. The Commission will not disclose such confidential business information except as provided for in section 5 of this questionnaire. Information received in response to this questionnaire will be aggregated with information from other questionnaire responses and will not be published in a manner that would reveal the operations of your organization.

OMB no. 3117-0229; Expiration date: 9/30/2019
No response is required if a currently valid OMB control number is not displayed

Instructions

1. **Completing the questionnaire.** The best way to answer this questionnaire is to use an interactive version that is available online. If you do not have this version, retrieve it from the webpage shown below. Follow the instructions on this web page and save the questionnaire to your computer. Use this version of the questionnaire if you are completing it interactively.

Commission Aluminum Questionnaire

If you prefer not to use the interactive version, you must contact the project team (see cover for contact information) and request a hard copy of the questionnaire. This is the only way to obtain a hard copy of the questionnaire; if you print out the interactive version, you will not have access to drop-down menus, and critical information will be missing.

2. **Accessing the file.** Open the questionnaire file using Adobe Reader software. If you have an old version of this software, you may be prompted by your computer operating system to upgrade (this is free software). **Contact the project team if you cannot open the file (see cover for contact information).** Mac users: Please do not use the "Preview" application. Launch the Reader software and open the questionnaire in this application.

> Note: Once opened, the file will accept information. It has been designed to make it easy for you to complete the questionnaire electronically, and to minimize the need for the Commission's project team to contact you for clarifications.

3. **Entering information.** Answer each question that applies to your organization. You can answer questions using the provided checkboxes, drop-down lists, and type-in entry areas. These entry areas are normally highlighted in blue, although this color may vary depending on your computer's settings.

You will not be able to change the questionnaire itself or enter information outside the entry areas. Certain type-in entry areas will accept only numbers and not text.

4. **Navigation.** Move to entry areas by clicking on them. You can use the tab key to do this, but only within a page. Use the navigation buttons on the bottom of the page to move directly to a specific section.

5. **Entering numeric data.** Enter data for production, shipments, employment, etc., in full figures, not in thousands, millions, or similar format. See the table below for examples.

How to report numeric figures	
If a production value is $1,200,500, enter in full figures as:	1200500
If the number of employees is 1,550, enter in full figures as:	1550
Note: After you enter a numeric figure, commas between digits will appear automatically.	

6. **Units of quantity.** All quantities should be reported in metric tons (1 metric ton = 1.10231 short ton).

7. **Saving and submitting the questionnaire.** Save your questionnaire as an Acrobat PDF file and do not convert it to another file format. The preferred method of submission is transmitting your completed questionnaire to our secure drop box at the website shown below (you will need a PIN to do so). Please see section 6 for all submission options.

The PIN is **1969**.

https://dropbox.usitc.gov

8. **Follow up.** The Commission will be compiling the information from the questionnaire responses to analyze the global competitiveness of the U.S. aluminum industry. During the analysis phase, we may contact you for follow up discussions about interpreting the data and other issues affecting the industry.

General information

1. **Coordinating your organization's response.** If separate persons or departments within your organization will share responsibility for completing this questionnaire, coordinate your responses so that the information your organization gives us is consistent. This will minimize our need to contact you for clarifications.

2. **Relationship to corporate structure.** Provide a single response for your organization's activities. This may require your organization to combine information from two or more business units.

If it is not possible to combine responses, or it is unreasonably burdensome, your organization may provide separate responses for business units, but ensure that the information is complete and that there is no double-counting. If you have joint venture organizations operating in the United States, ensure there is no double-counting with other business units of the joint venture partners.

3. **U.S. affiliates of foreign companies.** Respond as if the affiliate were an independent organization operating in the United States. For example, show production for the affiliate and its subsidiaries only, and not for the foreign corporation.

4. **"You" and "Your."** Parts of the questionnaire refer to “you” and “your.” These words refer to the organization that is responding to the questionnaire.

5. **"United States."** This refers to the customs territory of the United States, which includes the 50 states, the District of Columbia, and Puerto Rico.

6. **Year**. All references to "years" mean "calendar years." If you normally use fiscal years, convert to a calendar year basis for the responses in this questionnaire.

7. **Questionnaire structure.** This questionnaire is composed of six sections, as shown below.

Table of Contents

Item	***Page***
Instructions	2
General information	3
Definitions	4
Sections	
1. Basic information	6
2. Primary unwrought aluminum	7
3. Secondary unwrought aluminum	9
4. Wrought aluminum	13
5. Certification	23
6. Submitting the questionnaire	24

Definitions

1. **Aluminum and aluminum alloy series:** A system of classifying aluminum and aluminum alloys based on chemical composition. Classifications are designated using a 4-number nomenclature. For example, the 2XXX series includes copper as the main alloying metal. For more information, go to:

Aluminum and aluminum alloy classification

2. **Aluminum, unalloyed:** Metal containing by weight at least 99 percent of aluminum, meeting the chemical composition of series 1XXX.

A. **High-purity aluminum:** Metal with at least 99.8 percent aluminum.

3. **Aluminum, alloyed:** All other metals in which aluminum predominates by weight, meeting the composition of all series except 1XXX.

4. **Unwrought aluminum**: Aluminum products in the form of ingots, blocks, billets, slabs and similar manufactured forms. This term does not encompass rolled, forged, drawn, or extruded products, tubular products, or cast or sintered forms which have been machined or processed, other than by simple trimming, scalping, or descaling. These products include the following types:

A. **Primary unwrought aluminum**: Aluminum produced directly from bauxite or alumina, typically at a primary smelter. Aluminum alloys produced subsequently are also included.

B. **Secondary unwrought aluminum:** Aluminum and aluminum alloys that are typically produced at secondary smelters, cast houses, or remelters. Usually produced from scrap, but may also be produced using a combination of aluminum scrap and primary aluminum.

5. **Wrought aluminum:** Rolled, drawn, extruded, or otherwise mechanically formed products of aluminum or aluminum alloys. For the purposes of this questionnaire, forged products are not included. Also, near net shape cast products (e.g., automobile engine block) are not included. Wrought aluminum product groups include:

A. **Plate products:** Flat-surfaced products (other than the unwrought products of U.S. Harmonized Tariff Schedule (HTS) heading 7601) of a uniform thickness greater than one-quarter inch (6.3 mm), coiled or not, of solid rectangular (other than square) cross-section with or without rounded corners (including "modified rectangles" of which two opposite sides are convex arcs, the other two sides being straight, of equal length and parallel). Products may be of a rectangular (including square) shape with a thickness not exceeding one-tenth of the width, or shapes other than rectangular or square, of any size, provided that they do not assume the character of other products. Encompasses plates with patterns (for example, grooves, ribs, checkers, tears, buttons, lozenges), including when such products have been perforated, corrugated, polished, or coated.

B. **Sheet, strip, and foil products:** Flat-surfaced products (other than the unwrought products of HTS heading 7601) of a uniform thickness equal to or less than one-quarter inch (6.3 mm), coiled or not, of solid rectangular (other than square) cross-section with or without rounded corners (including "modified rectangles" of which two opposite sides are convex arcs, the other two sides being straight, of equal length and parallel). Products may be of a rectangular (including square) shape with a thickness not exceeding one-tenth of the width, or shapes other than rectangular or square, of any size, provided that they do not assume the character of other products. Encompasses sheet, strip, and foil with patterns (for example, grooves, ribs, checkers, tears, buttons, lozenges), including when such products which have been perforated, corrugated, polished, or coated.

Definitions-Contined

C. **Wire products:** Rolled, extruded, or drawn products, in coils, which have a uniform solid cross-section along their whole length in the shape of circles, ovals, rectangles (including squares), equilateral triangles or regular convex polygons (including "flattened circles" and "modified rectangles," of which two opposite sides are convex arcs, the other two sides being straight, of equal length and parallel). Products with a rectangular (including square), triangular or polygonal cross-section may have corners rounded along their whole length. The thickness of rectangular products (including "modified rectangular") have a cross-section that exceeds one-tenth of the width.

D. **Bars and rods:** Rolled, extruded, or drawn products, not in coils, which have a uniform solid cross-section along their whole length in the shape of circles, ovals, rectangles (including squares), equilateral triangles, or regular convex polygons (including "flattened circles" and "modified rectangles," of which two opposite sides are convex arcs, the other two sides being straight, of equal length and parallel). Products with a rectangular (including square), triangular or polygonal cross-section may have corners rounded along their whole length. The thickness of rectangular products (including "modified rectangular") have a cross-section that exceeds one-tenth of the width.

E. **Profiles:** Rolled, extruded, drawn, forged, or formed products, coiled or not, of a uniform cross-section along their whole length, which do not conform to any of the definitions of bars, rods, wire, plates, sheets, strip, foil, tubes, or pipes.

F. **Tube and pipe products:** Hollow products, coiled or not, which have a uniform cross-section with only one enclosed void along their whole length in the shape of circles, ovals, rectangles (including squares), equilateral triangles, or regular convex polygons, and which have a uniform wall thickness. Products with a rectangular (including square), equilateral triangular, or regular convex polygonal cross-section, which may have corners rounded along their whole length, are also to be considered as tubes and pipes, provided the inner and outer cross-sections are concentric and have the same form and orientation. Tubes and pipes of the foregoing cross-sections may be polished, coated, bent, threaded, drilled, waisted, expanded, or cone-shaped, or fitted with flanges, collars, or rings.

6. **Capital expenditures:** Expenditures for (1) plant construction, (2) improvements to existing plant and equipment, and (3) purchases of new or existing plant, property, machinery, and equipment. Include direct expenditures by your firm, and expenditures by other firms (e.g., construction companies) done for your firm. Capital expenditures for R&D-related property, plant, and equipment are included in this category. Expenses for routine maintenance and repair are not included. Investments in financial instruments are also not included.

7. **Employee and FTE:** The term "employee" refers only to your firm's employees at facilities located in the United States. The term includes production and related workers, warehouse/distribution workers, sales staff, managers, supervisors, technicians, and office workers related to the activity of manufacturing the products covered in this section. All employee figures should be reported on a full-time equivalent (FTE) basis. The term "FTE" reflects the total number of regular straight-time hours worked by employees, divided by the number of compensable hours applicable to each calendar year. Hours related to annual leave, sick leave, and compensatory time off and other approved leave categories are considered to be "hours worked." But overtime or holiday hours are not considered "hours worked."

Other definitions appear in the sections that follow.

Section 1: Basic Information

1.1 Enter the 5-digit identification number that was in the notification letter we sent to your organization. This will allow the project team to track your response. If you do not know this number, leave the entry area blank and proceed to the next question.

Identification number

1.2 List your organization's primary address and a contact person. If you are reporting information for a subsidiary instead of a single response for your whole organization, adjust the organization name below to indicate that (for example, Unwrought Aluminum Corp. - Virginia operations).

Organization name

Address

City | State | Zip code | Website address (www.name.domain)

Contact person's name | Contact person's job title | Contact person's location

Contact person's telephone number (xxx-xxx-xxxx) | Contact person's email address (xxx@xxx.xxx)

1.3 Is the organization named above a subsidiary of an organization operating in the United States?

☐ Yes Parent company name:

☐ No

If this questionnaire has been sent to one or more subsidiaries and/or the related parent company, there should be one coordinated response. If it is not possible to coordinate responses, or it is unreasonably burdensome, your organization may provide separate responses for subsidiaries, but ensure that the information is complete for your entire organization and that there is no double-counting.

1.4 Is the organization named above a parent company operating in the United States?

☐ Yes

☐ No

If your organization is a parent company, this submission should reflect all the activities of the subsidiaries that have U.S. operations. Alternatively, each subsidiary with U.S. operations may provide a separate questionnaire response. In that case, note the instructions in 1.3 above.

Section 2: Primary unwrought aluminum

2.1 Did your organization produce any primary unwrought aluminum products (including products made of aluminum alloys) in facilities **located in the United States** at any time during 2011-2015? Read the product definitions on page 4 carefully before answering this question.

☐ Yes

☐ No

Note: If you produce these products and then use them to produce a downstream product ("captive consumption"), check "Yes" above. For example, if you produce primary unwrought aluminum billets and make extruded products with these billets, you are considered to be an unwrought producer for the purposes of this questionnaire.

If you answered "Yes" to question 2.1, please go to the next question.

If you answered "No" to question 2.1, please go to section 3. Go to Section 3

How to report numeric data

2.2 Provide the value of any capital expenditures your firm made in primary unwrought (unalloyed and alloyed) aluminum production activities during 2011-2015 in the United States. Do not include capital expenditures, if any, made in your firm's foreign entities. Careful estimates are acceptable. If your firm is an affiliate of a foreign firm, include only capital expenditures that can be attributed directly to your U.S. operations.

What should be included in capital expenditures?

#	Item	2011	2012	2013	2014	2015
		Capital expenditures (in full figure dollars)				
1	Capital expenditures related to primary unwrought aluminum operations					

2.3 Comparing 2015 with 2011, did the costs listed below increase or decrease for your U.S. primary unwrought aluminum operations? Provide only one response for each cost item.

#	Cost item	Don't know	Little or no change (less than 1 percent increase or decrease)	Increased, 2015 compared with 2011 (make selection in drop-down menu)	Decreased, 2015 compared with 2011 (make selection in drop-down menu)
1	Alumina	☐	☐		
2	Carbon for anodes	☐	☐		
3	Other raw material costs (for example, alloying agents)	☐	☐		
4	Labor	☐	☐		
5	Electricity	☐	☐		
6	Other energy costs	☐	☐		
7	Shipping/transport	☐	☐		
8	Other: Specify	☐	☐		

2.4 Did your firm's exports of primary unwrought aluminum products **increase** during 2011-2015? If so, list below the country or countries to which the quantity of such exports increased the most (up to three countries). If the question does not apply, leave response areas blank.

Item	Country (make selection if applicable)	Quantity increase amount (make selection if applicable)
First country		
Second country		
Third country		

2.5 Did your firm's exports of primary unwrought aluminum products **decrease** during 2011-2015? If so, list below the country or countries to which the quantity of such exports decreased the most (up to three countries). If the question does not apply, leave response areas blank.

Item	Country (make selection if applicable)	Quantity decrease amount (make selection if applicable)
First country		
Second country		
Third country		

2.6 How would the removal of foreign government policies and programs (for example, VAT rebates, export taxes, preferential loans, below-market energy costs) have impacted your firm's 2015 production of primary unwrought aluminum products (in terms of quantity) in the United States?

Effect estimate

Section 3: Secondary unwrought aluminum

3.1 Did your organization produce any secondary unwrought aluminum products (including products made of aluminum alloys) in facilities **located in the United States** at any time during 2011-2015? Read the product definitions on page 4 carefully before answering this question.

☐ Yes

☐ No

Note: Secondary products can be produced at a variety of operations, including secondary smelters and cast houses. If you operate any one of these, you are considered to be a secondary unwrought producer for the purposes of this questionnaire and you should check "Yes" above.

Also, if you produce these products and use them to produce a downstream product ("captive consumption"), you should check "Yes" above. For example, if you produce secondary unwrought aluminum billets and make extruded products with these billets, you are considered to be a secondary unwrought producer for the purposes of this questionnaire.

If you answered "Yes" to question 3.1, please go to the next question.

If you answered "No" to question 3.1, please go to section 4. Go to Section 4

How to report numeric data

Units of quantity

3.2 Provide the following information as related to your secondary unwrought aluminum operations in the United States. Careful estimates are acceptable. Do not include data for other operations, such as downstream products (you may need to allocate between unwrought aluminum and downstream operations). If your firm is an affiliate of a foreign firm, include only data that can be directly attributed to your U.S. facilities.

Production versus shipments

Employee and FTE definitions

What should be included in capital expenditures?

#	Item	2011	2012	2013	2014	2015
1	Production (full figure metric tons)					
2	Production capacity (full figure metric tons)					
3	Number of employees (full figures on an FTE basis) for secondary unwrought aluminum operations					
4	Capital expenditures (full figure dollars) related to secondary unwrought aluminum operations					

Tolling definition

3.3 List the quantity and value of your firm's total shipments (including internal transfers valued at market prices) of secondary unwrought aluminum products to domestic and foreign markets. Include only products **produced by your firm in facilities located in the United States**. Careful estimates are acceptable. If your firm is an affiliate of a foreign firm, include only production that can be directly attributed to your U.S. facilities.

Do not include shipments of products produced by other firms under a tolling or similar agreement. However, if your firm itself produced products under a tolling or similar agreement, include these shipments.

If your firm produced and shipped any of the products listed below under a tolling or similar agreement, check this box. ☐

#	Item	2011	2012	2013	2014	2015
Shipments of **secondary unwrought aluminum products** produced at your U.S. operations. Include internal transfers (i.e., products used by your downstream operations) valued at market prices.						
Unalloyed:						
1	Quantity (full figure metric tons)					
2	Value (full figure dollars)*					
Alloyed:						
3	Quantity (full figure metric tons)					
4	Value (full figure dollars)*					
* Provide the full sales value, including all raw material costs.						

3.4 Comparing 2015 with 2011, did the costs listed below increase or decrease for your U.S. secondary unwrought aluminum operations? Provide only one response for each cost item.

#	Cost item	Don't know	Little or no change (less than 1 percent increase or decrease)	Increased, 2015 compared with 2011 (make selection in drop-down menu)	Decreased, 2015 compared with 2011 (make selection in drop-down menu)
1	Aluminum/aluminum alloy scrap	☐	☐		
2	Primary aluminum	☐	☐		
3	Other raw material costs (for example, alloying agents)	☐	☐		
4	Labor	☐	☐		
5	Energy	☐	☐		
6	Shipping/transport	☐	☐		
7	Other: specify	☐	☐		

3.5 List your purchases of the indicated raw materials that you used as **feedstock** for 2011 and 2015, by type and source (domestic or foreign). Use full figures for the the value and quantity of such purchases.

		2011		2015	
#	**Aluminum and aluminum alloy raw material purchased and used for feedstock**	**Quantity (full figure metric tons)**	**Value (full figure dollars)**	**Quantity (full figure metric tons)**	**Value (full figure dollars)**
Domestic source:					
1	High-purity primary unwrought				
2	Primary unwrought other than high purity				
3	Secondary unwrought				
4	Scrap				
5	Wrought aluminum used as feedstock (for example, semi-fabricated products intended for re-melting)				
Foreign source:					
6	High-purity primary unwrought				
7	Primary unwrought other than high purity				
8	Secondary unwrought				
9	Scrap				
10	Wrought aluminum used as feedstock (for example, semi-fabricated products intended for re-melting)				
Source unknown:					
11	High-purity primary unwrought				
12	Primary unwrought other than high purity				
13	Secondary unwrought				
14	Scrap				
15	Wrought aluminum used as feedstock (for example, semi-fabricated products intended for re-melting)				

3.6 Did your firm's exports of secondary unwrought aluminum products **increase** during 2011-2015? If so, list below the country or countries to which the quantity of such exports increased the most (up to three countries). If the question does not apply, leave response areas blank.

Item	Country (make selection if applicable)	Quantity increase amount (make selection if applicable)
First country		
Second country		
Third country		

3.7 Did your firm's exports of secondary unwrought aluminum products **decrease** during 2011-2015? If so, list below the country or countries to which the quantity of such exports decreased the most (up to three countries). If the question does not apply, leave response areas blank.

Item	Country (make selection if applicable)	Quantity decrease amount (make selection if applicable)
First country		
Second country		
Third country		

3.8 During 2011-2015, did your firm import any secondary unwrought aluminum products that you did not use as feedstock (i.e., the products were commercially sold)? If so, indicate the most important country or countries in terms of quantity below (up to three countries). If not, leave the response areas blank.

First country	
Second country	
Third country	

3.9 Does your firm have any operations (including joint ventures) in foreign countries that produce secondary unwrought aluminum products? If so, list the most important country or countries in terms of production quantity below (up to three countries). If you do not have foreign operations, leave the response areas blank.

First country	
Second country	
Third country	

3.10 During 2011-2015, has your firm considered investing in foreign secondary unwrought aluminum operations, in either existing or new facilities (including joint ventures)? If so, list the leading target country or countries below (up to three countries). If you did not consider such investments, then leave the response areas blank.

First country	
Second country	
Third country	

3.11 How would the removal of foreign government policies and programs (for example, VAT rebates, export taxes, preferential loans, below-market energy costs) have impacted your firm's 2015 production of secondary unwrought aluminum products (in terms of quantity) in the United States?

Effect estimate

Section 4: Wrought aluminum

4.1 Indicate whether your organization produced any of the following wrought aluminum products (including products made of aluminum alloys) in facilities **located in the United States** at any time during 2011-2015. Read the product definitions on page 4 carefully before answering this question. Check all that apply.

- ☐ 1. Plate products
- ☐ 2. Sheet, strip, or foil products
- ☐ 3. Wire products
- ☐ 4. Profiles, bars, or rod products
- ☐ 5. Tube or pipe products
- ☐ 6. None of the above

Go to product definitions

Note: If you produce any wrought aluminum products, and use them to produce downstream products ("captive consumption"), check the appropriate box above. For example, if you produce aluminum sheet and make beverage cans with this sheet, you are considered to be a wrought producer for the purposes of this questionnaire, and you should check the "Sheet, strip, or foil products" box. You would report data for the sheet in this section.

If you checked any of the first five boxes in question 4.1, please go to the next question.

If you answered "None of the above" to question 4.1, please go to section 5. Go to Section 5

How to report numeric data | Units of quantity | Tolling definition

4.2 List the production capacity (in metric tons) of your firm's wrought (unalloyed and alloyed) aluminum products **in facilities located in the United States**. Careful estimates are acceptable. If your firm is an affiliate of a foreign firm, include only capacity and production that can be directly attributed to your U.S. facilities.

Do not include capacity of other firms that may be producing products for your firm under a tolling or similar agreement. However, if your firm itself has capacity under a tolling or similar agreement, include this capacity.

#	Product group	2011	2012	2013	2014	2015
		Metric tons (full figures)				
Production capacity at U.S. facilities for **wrought aluminum products (including unalloyed and alloyed products)**						
1	Plate products					
2	Sheet, strip, foil products					
3	Wire products					
4	Profile/bar/rod products					
5	Tube or pipe products					

Production versus shipments

4.3 List the production (in metric tons) of your firm's wrought (unalloyed and alloyed) aluminum products **in facilities located in the United States**. Careful estimates are acceptable. If your firm is an affiliate of a foreign firm, include only capacity and production that can be directly attributed to your U.S. facilities.

Do not include production of other firms that may be producing products for your firm under a tolling or similar agreement. However, if your firm itself produced under a tolling or similar agreement, include this production.

#	Product group	2011	2012	2013	2014	2015
		Metric tons (full figures)				
Production at U.S. facilities for **wrought aluminum products (including unalloyed and alloyed products)**						
Plate products:						
1	Unalloyed, series 1XXX					
2	Non-heat treatable (alloy series 3XXX, 5XXX)					
3	Heat treatable (alloy series 2XXX, 7XXX)					
4	Heat treatable (alloy series 6XXX)					
5	All other plate products of series not specified above					
Sheet, strip, foil products:						
6	Unalloyed, series 1XXX					
7	Non-heat treatable (alloy series 3XXX, 5XXX)					
8	Heat treatable (alloy series 2XXX, 7XXX)					
9	Heat treatable (alloy series 6XXX)					
10	All other sheet, strip, and foil products of series not specified above					
Wire products:						
11	Unalloyed and alloyed					
Profile/bar/rod products:						
12	Unalloyed and alloyed					
Tube or pipe products:						
13	Unalloyed and alloyed					

4.4 List the **quantity** of your firm's total shipments (including internal transfers) of wrought (unalloyed and alloyed) aluminum products to domestic and foreign markets, broken down by the product groups shown below. Include only products **produced by your firm in facilities located in the United States**. Careful estimates are acceptable. If your firm is an affiliate of a foreign firm, include only production that can be directly attributed to your U.S. facilities.

Do not include shipments of products produced by other firms under a tolling or similar agreement. However, if your firm itself produced products under a tolling or similar agreement, include these shipments.

#	Product group	2011	2012	2013	2014	2015
		Metric tons (full figures)				
Quantity of shipments from U.S. facilities of **wrought (unalloyed and alloyed) aluminum products.** Include internal transfers (i.e., products used by your downstream operations).						
Plate products:						
1	Unalloyed, series 1XXX					
2	Non-heat treatable (alloy series 3XXX, 5XXX)					
3	Heat treatable (alloy series 2XXX, 7XXX)					
4	Heat treatable (alloy series 6XXX)					
5	All other plate products of series not specified above					
Sheet, strip, or foil products:						
6	Unalloyed, series 1XXX					
7	Non-heat treatable (alloy series 3XXX, 5XXX)					
8	Heat treatable (alloy series 2XXX, 7XXX)					
9	Heat treatable (alloy series 6XXX)					
10	All other sheet, strip, and foil products of series not specified above					
Wire products:						
11	Unalloyed					
12	Alloyed					
Profile/bar/rod products:						
13	Unalloyed					
14	Alloyed					
Tube or pipe products:						
15	Unalloyed					
16	Alloyed					

4.5 List the **value** of your firm's total shipments (including internal transfers valued at market prices) of wrought (unalloyed and alloyed) aluminum products to domestic and foreign markets, broken down by the product groups shown below. Include only products **produced by your firm in facilities located in the United States**. Careful estimates are acceptable. If your firm is an affiliate of a foreign firm, include only production that can be directly attributed to your U.S. facilities.

Do not include shipments of products produced by other firms under a tolling or similar agreement. However, if your firm itself produced products under a tolling or similar agreement, include these shipments.

If your firm produced and shipped any of the products listed below under a tolling or similar agreement, check this box. ☐

#	Product group	2011	2012	2013	2014	2015
		Value (full figure dollars)				
Value of shipments from U.S. facilities of **wrought (unalloyed and alloyed) aluminum products.** Provide the full value, including all raw material costs. Include internal transfers (i.e., products used by your downstream operations) valued at market prices.						
Plate products:						
1	Unalloyed, series 1XXX					
2	Non-heat treatable (alloy series 3XXX, 5XXX)					
3	Heat treatable (alloy series 2XXX, 7XXX)					
4	Heat treatable (alloy series 6XXX)					
5	All other plate products of series not specified above					
Sheet, strip, or foil products:						
6	Unalloyed, series 1XXX					
7	Non-heat treatable (alloy series 3XXX, 5XXX)					
8	Heat treatable (alloy series 2XXX, 7XXX)					
9	Heat treatable (alloy series 6XXX)					
10	All other sheet, strip, and foil products of series not specified above					
Wire products:						
11	Unalloyed					
12	Alloyed					
Profile/bar/rod products:						
13	Unalloyed					
14	Alloyed					
Tube or pipe products:						
15	Unalloyed					
16	Alloyed					

4.6 List the **quantity and value** of your firm's **exports** of wrought (unalloyed and alloyed) aluminum products, broken down by the product groups shown below. Include only products **produced by your firm in facilities located in the United States**. Careful estimates are acceptable. If your firm is an affiliate of a foreign firm, include only production that can be directly attributed to your U.S. facilities.

Do not include exports of products produced by other firms under a tolling or similar agreement. However, if your firm itself produced products under a tolling or similar agreement, include these exports.

#	Product group	2011	2012	2013	2014	2015
Exports of **wrought (unalloyed and alloyed) aluminum products** produced at your U.S. facilities. Provide the full value, including all raw material costs.						
Plates, sheets, strip, or foil products:						
1	Quantity (full figure metric tons)					
2	Value (full figure dollars)					
Wire products:						
3	Quantity (full figure metric tons)					
4	Value (full figure dollars)					
Profile/bar/rod products:						
5	Quantity (full figure metric tons)					
6	Value (full figure dollars)*					
Tube or pipe products:						
7	Quantity (full figure metric tons)					
8	Value (full figure dollars)					

4.7 For the export shipments listed in question 4.6, which foreign market(s) accounted for the **largest increases** in terms of quantity. List the most important country or countries below. If the question does not apply, leave response areas blank.

Item	Country (make selection if applicable)	Quantity increase amount (make selection if applicable)
First country		
Second country		
Third country		

4.8 For the export shipments listed in question 4.6, which foreign market(s) accounted for the **largest decreases** in terms of quantity. List the most important country or countries below. If the question does not apply, leave response areas blank.

Item	Country (make selection if applicable)	Quantity decrease amount (make selection if applicable)
First country		
Second country		
Third country		

4.9 Indicate which of the following describes the changes in your firm's U.S. production capacity for wrought (unalloyed and alloyed) products during 2011-2015. Check all that apply.

- ☐ Expanded production capacity at existing establishments
- ☐ Reduced production capacity at existing establishments
- ☐ Acquired production establishments
- ☐ Sold or otherwise disposed of production establishments
- ☐ No change

Employee and FTE definitions

4.10 List the number of your firm's employees on a full-time equivalent (FTE) basis that correspond to your U.S. facilities that produce wrought (unalloyed and alloyed) aluminum products. Careful estimates are acceptable. If your firm is an affiliate of a foreign firm, include only employees who can be directly attributed to your firm's U.S. activities.

#	Product group	2011	2012	2013	2014	2015
Employment at U.S. facilities for **wrought aluminum products (including unalloyed and alloyed products)**						
		Number of employees (full figures on an FTE basis)				
1	Plate, sheets, strip, or foil products					
2	Wire products					
3	Profile/bar/rod products					
4	Tube or pipe products					
5	Employees that cannot be attributed to only one product group (use this category if absolutely necessary)					

4.11 List the value of any capital expenditures your firm made in wrought (unalloyed and alloyed) aluminum production activities during 2011-2015 in the United States for the product groups shown below. Do not include capital expenditures, if any, made in your firm's foreign entities. Careful estimates are acceptable. If your firm is an affiliate of a foreign firm, include only capital expenditures that can be attributed directly to your U.S. operations.

What should be included in capital expenditures?

#	Product group	2011	2012	2013	2014	2015
Capital expenditures at U.S. facilities producing **wrought aluminum products (including unalloyed and alloyed products)**						
		Capital Expenditures (full figure dollars)				
Plate products:						
1	Non-heat treated					
2	Heat treated					
Sheets, strip, or foil products:						
3	Non-heat treated					
4	Heat treated					
Wire products:						
5	All wire products					
Profile/bar/rod products:						
6	All profile/bar/rod products					
Tube or pipe products:						
7	All tube or pipe products					
Unattributed capital expenditures:						
8	Capital expenditures that cannot be attributed to only one product group (use this category only if more specific breakouts are not available)					

4.12 List your customer types, by percentage of your firm's 2011 and 2015 shipments reported in question 4.4.

#	Customer type	2011	2015
		Percent of shipments by quantity	
1	Wrought producers in the United States not owned by your firm		
2	Downstream producers (i.e., firms that consume your wrought products to make other products, such as parts for an airplane wing) in the United States owned by your firm		
3	Downstream producers in the United States not owned by your firm		
4	Distributors or service centers in the United States		
5	Other or unknown		
6	Total (should sum to 100)		

4.13 List the ultimate end use markets, by percentage of your firm's 2011 and 2015 shipments reported in question 4.4. If your shipments go to a distributor or service center and you do not know the ultimate end use, classify these shipments in item 11.

End use guide with examples

#	Ultimate end use market	2011	2015
		Percent of shipments by quantity	
1	Containers and packaging, not including beverage cans		
2	Beverage cans		
3	Building and construction		
4	Transportation, automotive		
5	Transportation, commercial aerospace		
6	Transportation, defense aerospace		
7	Transportation, all other or undifferentiated		
8	Electrical		
9	Consumer durables		
10	Machinery and equipment		
11	Other or unknown		
12	Total (should sum to 100)		

4.14 Comparing 2015 with 2011, did the costs listed below increase or decrease for your U.S. wrought aluminum operations? Provide only one response for each cost item.

#	Cost item	Don't know	Little or no change (less than 1 percent increase or decrease)	Increased, 2015 compared with 2011 (make selection in drop-down menu)	Decreased, 2015 compared with 2011 (make selection in drop-down menu)
1	Labor	☐	☐		
2	Energy	☐	☐		
3	Shipping/transport	☐	☐		
4	Other: Specify	☐	☐		

4.15 List your purchases of the indicated unwrought products (domestic and imported) and wrought products (imports only) that you used internally or commercially sold in the United States for 2011 and 2015, by product group. Include products you imported from related firms in foreign countries.

		2011		2015	
#	**Aluminum and aluminum alloy product purchases**	**Quantity (full figure metric tons)**	**Value (full figure dollars)**	**Quantity (full figure metric tons)**	**Value (full figure dollars)**
Unwrought products (aluminum products in the form of ingots, blocks, billets, slabs, and similar manufactured forms) used as is (not for melting):					
1	Unalloyed, domestic sources				
2	Alloyed, domestic sources				
3	Unalloyed, imported				
4	Alloyed, imported				
Plate products:					
5	Non-heat treated, imported				
6	Heat treated, imported				
Sheet, strip, and foil products:					
7	Non-heat treated, imported				
8	Heat treated, imported				
Wire products:					
9	Unalloyed and alloyed				
Profile/bar/rod products					
10	Unalloyed and alloyed				
Tube or pipe products:					
11	Unalloyed and alloyed				

4.16 For the imports listed in question 4.15, list the foreign supplier that accounted for the **largest increases** in terms of quantity. List the most important country or countries below. If the question does not apply, leave response areas blank.

Item	Country (make selection if applicable)	Quantity increase amount (make selection if applicable)
First country		
Second country		
Third country		

4.17 For the imports listed in question 4.15, list the foreign supplier that accounted for the **largest decreases** in terms of quantity. List the most important country or countries below. If the question does not apply, leave response areas blank.

Item	Country (make selection if applicable)	Quantity decrease amount (make selection if applicable)
First country		
Second country		
Third country		

4.18 List the country or countries of origin of the wrought products that compete with your wrought products most successfully in the United States market (up to three countries). If there are no major competitors, leave the response areas blank.

Country	**U.S. market competitor (make selection in drop-down menu)**
First country	
Second country	
Third country	

4.19 List the country or countries of origin of the wrought products that compete with your wrought products most successfully in foreign markets (up to three countries). If there are no major competitors, leave the response areas blank.

Country	**Foreign market competitor (make selection in drop-down menu)**
Select the country of origin of the competitor, not the market in which you compete	
First country	
Second country	
Third country	

4.20 Does your firm have operations (including joint ventures) in foreign countries that produce wrought aluminum products? If so, list the most important country or countries in terms of the quantity of production below (up to three countries). If you do not have such operations, leave the response areas blank.

First country	
Second country	
Third country	

4.21 During 2011-2015, has your firm considered investing in foreign wrought aluminum operations, in either existing or new facilities (including joint ventures)? If so, list the leading target country or countries below (up to three countries). If you did not consider such investments, leave the response areas blank.

First country	
Second country	
Third country	

4.22 How would the removal of foreign government policies and programs (for example, VAT rebates, export taxes, preferential loans, below-market energy costs) have impacted your firm's 2015 production of wrought aluminum products (in terms of quantity) in the United States?

Effect estimate

Section 5. Certification

I, the undersigned, acknowledge that all information, including confidential business information, submitted in response to this request for information and throughout this investigation may be disclosed to and used:

(i) by the Commission, its employees and Offices, and contract personnel (a) for developing or maintaining the records of this investigation, or (b) in internal investigations, audits, reviews, and evaluations relating to the programs, personnel, and operations of the Commission including under 5 U.S.C. Appendix 3; or

(ii) by U.S. government employees and contract personnel, solely for cybersecurity purposes. I understand that all contract personnel will sign appropriate nondisclosure agreements.

You are strongly encouraged to use the Commission's secure drop-box system to electronically submit your questionnaire to the Commission to protect your sensitive information from unauthorized disclosure. This system uses Federal Information Processing Standards (FIPS) 140-2 cryptographic algorithms to encrypt data in transit. Submitting your nonpublic documents by a means that does not use these encryption algorithms (such as by email) may subject your firm's nonpublic information to unauthorized disclosure during transmission. If you choose a non-encrypted method of electronic transmission, the Commission warns you that the risk of such possible unauthorized disclosure is assumed by you and not by the Commission.

The information your organization provides in response to this questionnaire will be treated by the Commission as confidential and will not be disclosed to the public unless required by law. The information will be aggregated with information from other questionnaire responses and will not be published in a way that would reveal the operations of your organization. The House Committee on Ways and Means has asked that the Commission not include any confidential business information in the report it transmits to it.

Certifier's name and title

Date of certification (mm/dd/yy)

Certifier's signature (not necessary if submitting electronically)

If you are submitting an electronic version of this certificate to the Commission, check the box below in place of a written signature to indicate that the authorized official listed has certified the information provided.

☐ Certified

Section 6. Submitting the Questionnaire

6.1 Before submitting your organization's completed questionnaire, report the actual number of hours required and the cost to your organization of completing this questionnaire, including all preparatory activities.

Hours _____ Cost ($) _____

6.2 If your organization would like to further explain any of the responses in your submitted questionnaire, provide comments to us by email at aluminumsurvey@usitc.gov.

6.3 If your organization would like to give us a written submission for the public record, click on the link below to view the *Federal Register* notice about this investigation and go to page 2 of this notice for instructions. All written submissions are due by February 21, 2017.

Federal Register notice

6.4 For a final quality check, click on the button below after you have completed the questionnaire. You will get a few reminders, and may get one or more error messages indicating which questions have possible inconsistencies. After completing the quality check, return to the question(s) shown in the error message(s) and make corrections, then perform this quality check again. If you believe the responses are correct despite an error message, ignore the error message.

Quality check

6.5 Save the questionnaire. Save

6.6 Use one of the submission options shown below.

Drop-box submit

Use this option to transmit your completed questionnaire through our secure electronic drop-box (this method encrypts your data). Click on the link to the left and follow the instructions. In the PIN entry box, type: **1969**

Email submit

Use this option to send your completed questionnaire as an email attachment. Click on the button and follow the instructions. Note that submitting your questionnaire response by email will subject your organization's confidential business information (CBI) to transmission over an unsecured environment and to possible disclosure to third parties. Any risk of disclosure of CBI during transmission is assumed by your organization and not us. However, once we receive the email, we will store your questionnaire response in our secured environment and safeguard it as detailed in the certification in section 5.

Thank you for providing your response. The Commission will be compiling the information from the questionnaire responses to analyze the global competitiveness of the U.S. aluminum industry. During the analysis phase, we may contact you for follow up discussions about interpreting the data and other issues affecting the industry.