Annex 1: Specifications for the Forest Industry Monitoring System (FIMS) improvement (additional work)

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The following functionalities need additional improvements and need to be implemented in the FIMS:

# Reporting

The system has currently an official report form, which is a slightly different to forms in the Circular 1. VNFOREST and FPD proposed to add the forms available in the original SRS Annex 1.4 into the system. In addition, the aggregation of unit could be clarified after revision of data entry logic relating to the units. Also, both the quick reports and official reports must be shown the units m3 and ton in separate rows/columns as otherwise the reports will be bias.

1. **Reporting units: the unit m3 and ton should be in separate columns/rows in each official and quick reports based on the user selection in the data entry or “conversion to” in case of additional units (BDMT, Stere,..): The** reporting unit must show the m3 and ton separate in the reporting rows/columns in both quick and official reports. The design and implementation will be done by the service provider (either separate row or separate column). The aggregation of units will be defined what the user has selected/decided during the data entry.
2. **Add the official reports available to FIMS following the forms in the original FIMS SRS Annex 1.4:** The forms 1,2, 5 and 6 could be added to the system as they can be aggregated from the FIMS parameters. However, the form 2 has been simplified as FIMS is not including the dossier based data entry logic. The aggregation rules for the new FIMS Official reporting forms are available in Annex 1 (separate MS Excel document). The system should:
   * Allow user to choose the reporting form, reporting area/content and reporting period
   * Official monitoring report generation UI has three choices for the report content: by enterprises, by districts, by provinces, by regions and by whole nation.
     + Content for "by districts": summary rows of the production by communes
     + Content for "by provinces": summary rows of the production by district
     + Content for "by regions": summary rows of the production by provinces of the region
     + Content for "by nationwide": summary rows of the production by provinces
   * The units m3 and ton should be in separate columns/rows in each official report based on the user selection in the data entry or “conversion to” in case of additional units (BDMT, Stere,..)
   * Generating reports following the aggregation rules, allow to open the report in MS Excel format
   * Official reports must be available for all the users. Enterprise users can generate official report only for their own factories

# Changes in the enterprise registration and adding a factory -functionalities

Some additional parameters and clarifications were requested by EFI-FLEGT team to be included to the FIMS relating to the enterprise registration and adding a factory

1. **Adding factory must include the type of location:** When user adds a factory, there should be a question to describe the type of location. The options are as follows:
   * In industrial park (IP),
   * In export processing zone (EPZ),
   * In other zone – in case there is another zone category, please specify:\_\_\_
   * not in IP or EPZ

The system should:

* + Allow the user to tick one of the option
  + In the case “In other zone”, user need to specify the zone by typing
  + have possible to edit the choice later If needed (Edit enterprise / Edit factory –functions)

1. **The owner of the enterprise/factory, based on classification, should be multi-choice**: In Vietnam, it is possible that the enterprise/factory can belong to more than one category. For example Joint Stock Company (JSC) and Cooperation can be at the same time. The system should:
   * Allow the user to tick more than one option in this question type in enterprise and factory creation form or in the editing mode
   * have possible to edit the choice later If needed (Edit enterprise / Edit factory –functions)
2. **Factory certification:** Factory certificate must include in details such as the certificate number and issuance/validity date when user ticks the certification. These information would be optional to be filled. The system should:
   * Allow the user to type the certificate number when selecting the certification type (optional)
   * Allow user to type certificate issuance date (optional)
   * Allow user to type the validity date (optional)
   * have possible to edit the details later If needed (Edit factory –functions)
3. **Number of staff:** The system should have gender disaggregation of all of the staff entry categories. Adding the number of staff by gender should be optional but possible for the user. The system should:
   * Allow the user to enter the staff amount by gender
   * Show the staff by gender also in the quick reporting forms
   * have possible to edit the details later If needed (Edit factory –functions)

# Data entry and edit improvements

The current version of the system allows user to enter the data but some additional work would improve the usability:

1. **Notification if user exit a menu without saving:** Currently the system allows user to exit the menu without saving. However, this can also cause that user lose the entered data if he/she do it by accident. The system should:
   * Make a notification for the user if he/she exits the periodic data entry sheets, enterprise editing mode, factory editing mode, user account editing mode without saving. The message should mention: “You have entered changes to current data entry/editing form without saving, please click “Yes” to close the page without saving. If you want to save the changes, please click “Cancel””
   * If user has not made any changes, there should not be any notification
2. **Monthly input/output reporting forms should remember previous months reporting structure:** Currently the system allows user to enter monthly reporting by opening empty form every time when a new month is selected. To make the system quicker and more convenient, the system should allow user to copy the previous months’ data entry to be a base for the new reporting. The system should:
   * Have an option for user to choose if he wants to use the previous months reporting as a base for the new reporting. User can only choose months that he has been entered data and saved.
   * If user selects that option, the system should ask what he wants to include also the values, if user click “Yes”, the system copies the values from the selected month’s report and added to the new report automatically, If user click “No”, the amount fields will be empty but all the other fields will be automatically filled including input and product categories, tree species, units, conversion rates, etc.
   * User can still make edits for the data entry before saving
3. **HS standard**: The system shall support the Harmonised Standard (HS) code entry by providing dropdown list of codes including explanation of it. User should also be able to enter the code manually. The system shall search the main categories of HS codes by typing the first 4 digits. The data entry should be also possible if only 4 digits is known. The service provider is free to propose a solution for above mentioned comments. Example of the HS code standard in Annex 2. At least the categories under the codes: 40, 44 – 49, 89 and 94-96 should be included to the system as they may include products from wood.
4. **Data entry should not be possible for months in the future**: The system should not allow user to enter data for the future months. For example if it now is July 2018, the August 2018 and onwards should not be available.

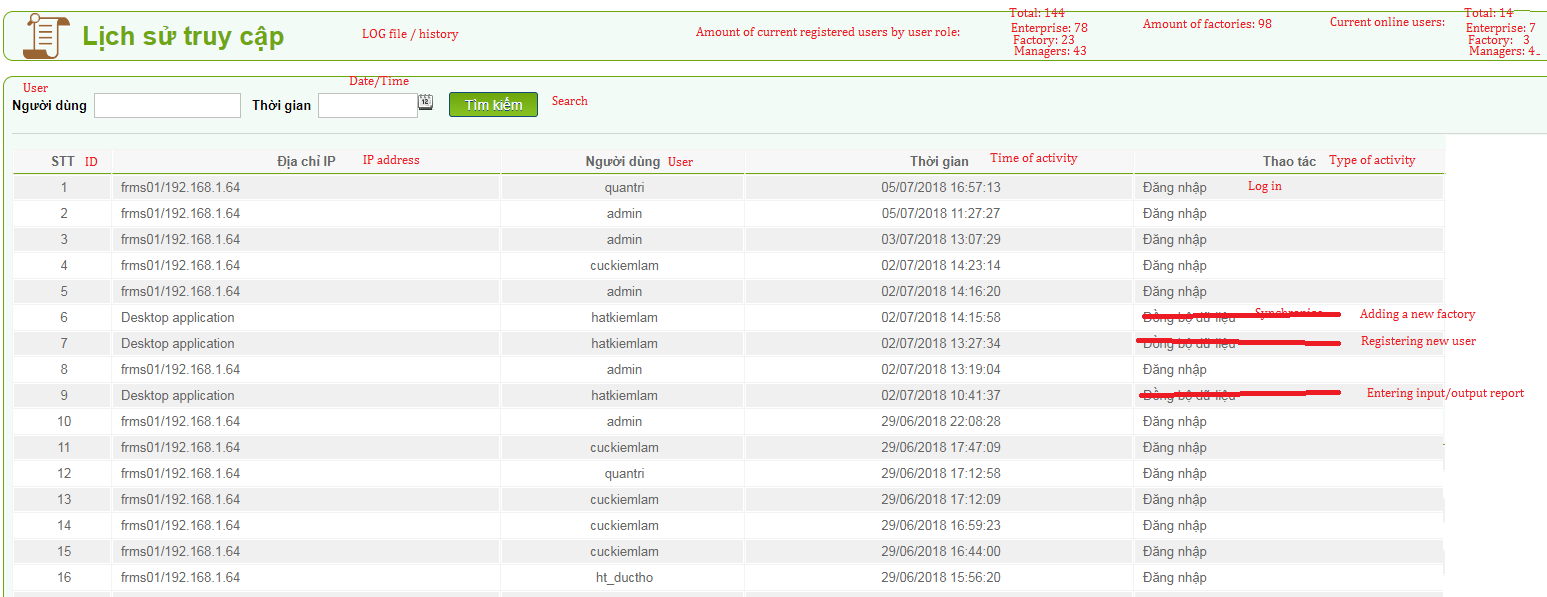
# Notifications of the system

1. **Notification if inspection report is added:** Currently enterprise and factory user is able to see the inspection report but he will not see a notification if the report is available or added. The system should:
   * Have a notification if a new inspection report is added, the notification will disappear if user opens it.
   * The notification should mention at least: which factory has an inspection report, for which month the inspection report is added
   * Notification should be visible for each enterprise and factory users who have assigned to the factory.
2. **Notification of new data entry and changes in the factory:** To make it easier for enterprise users and FPD managers to follow the changes in their factory or administrative area, the system should provide list of activities/actions by factory users. The system is as follows:
   * Managers: Have a notification if a new factory has been added to their administrative area. Allow them to click and show the location of the created factory.
   * Managers: Have a notification if a new report is available (the factory has saved a data or edit the previous entry). The system should allow to click and open the report.
   * Enterprise user: Have a notification if a new factory has been added, if the factory data has been edited, if new data is entered or previous report edited. The system should allow them to click to see the factory details or edited report.

# Additions to the current IT administrative functions

There are some minor improvements needs for the current IT administrative functions and how they will be processed and presented to the user:

1. **Notification/Email for the user if the account is deleted**: IT administrator may delete either enterprise, factory or manager account. When the user account is deleted, an email or notification is sent to the user informing the user about the deletion. The system should:
   * Inform user when his/her account is deleted by the IT administrator: “Your account in the Forest Industry Monitoring System has been deleted by the IT administrator. Please contact to the IT administrator/VNFOREST if there are any questions”
2. **Search function for IT administrator to find accounts**: It is needed to add search and filter tool to manage accounts for IT administrator. This helps IT administrator to manage hundreds of accounts in an easy way. The search should be possible to filter by province, district, user role, enterprise or factory criteria. Also the search result view should allow to sort the data by name, email and some other parameters. IT Administrator allows to make free search by typing (either name or email). The system should:
   * Include a way to choose search criteria/filter the accounts by province, district, user role, enterprise/factory criteria
   * Include a place to search by typing username, account owner name, email
   * Sort the search results by name, email and user role, date of registered, last time accessed/logged in to the system
3. **Administrative log function**: IT administrator has a function to check the historical events and tracking user activities. The system should provide Log -functionality for IT admin to: know IP address of the users accessed and time when users accessed for the system. This will support reporting and other IT administrative tasks. IT administrator can list all of account status who is either available and see the account status. The system should:
   * Include a way to choose search criteria/filter the users and accounts by: username, user role and Time/ period,
   * Sort the log of activities by: IP address, username, time of accessed/activity, by activity (Log in, Registering to the system, creating user account, Entering input/output report
   * The system should show basic statistic of the system including: Number of users (Total, enterprise, factory, manager), Number of online users (Total, enterprise, factory, manager), Amount of created/added factories
   * IT administrator can show and look users of user status (locked, available) in the list. In the account management, IT administrator can export all information of user accounts including theirs attributes of users to excel files, pdf.

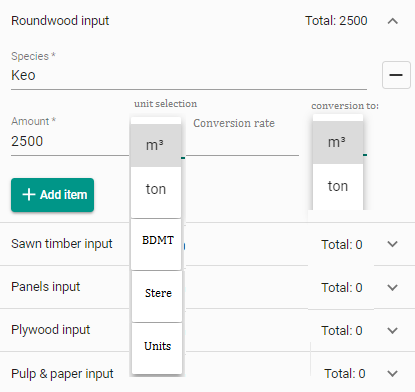


**Figure 1.** The system should make a log for IT administrator to show the IP address where the user accessed to the system, username, time of activity, activity type and some statistic of the system (number of users, added factories and online users)

# Data entry logic: Units

The current situation allows user to enter monthly production input and output by choosing unit to be m3 or by ton. The report will aggregate the results by assuming the conversion rate to be 1:1. The following additional work is proposed:

1. **By default the system should have data entry fields relating to Pulp, Paper and Wood Chips in ton:** By default in the data entry, the system should propose for user to enter the data relating Pulp, Paper and Wood chips to be reported in ton. However, user can choose the reporting unit to be different too manually. Other categories can be by default m3.
2. **Monthly input/output data entry has optional conversion rate field besides amount and unit:** The reports will be presented always by m3 / ton, it would be good if user could add by himself the conversion to m3 or to ton. This would be especially needed when/if there are more optional units available such as: BDMT, Stere and Units (of furniture). The system should:
   * Allow the user to enter amount, choose the unit and add the conversion rate to m3 or to ton (need to be selectable), check Figure 1.
   * Conversion rate should be optional for users
   * System should remember the conversion from previous month entry
3. **Add more units available:** Enterprises in Vietnam may classify their inputs in different ways according to the type of industry: BDMT, Stere, M3, Units for furniture. Revise the data input by adding more unit options and conversion rates. The system should:
   * allow the user to enter amount, choose the unit and add the conversion rate to m3 or to ton (need to be selectable)
   * When BDMT, Stere or Units is chose, the “Conversion rate” and “conversion” to are obligatory to be filled



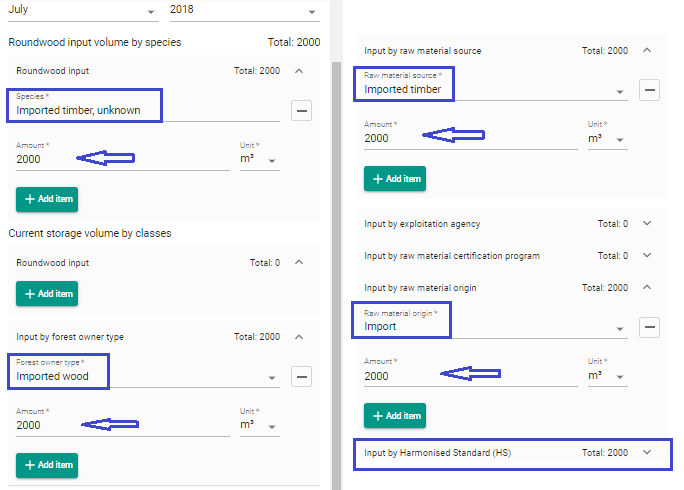
**Figure 2.** User needs to be able to enter amount, select unit, add conversion rate to either to m3 or to ton. The “Conversion rate” and “conversion to” are optional to be chosen if unit selection is m3 or ton

# Validation rules in data entry

The FIMS includes already some validation rules defined in the development phase I but some additional rules were proposed by users to be added to the system:

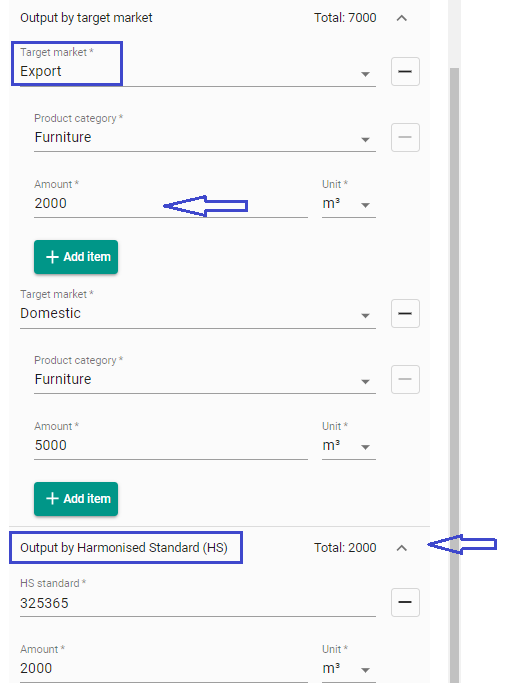
The following new rules need to be implemented:

1. **Fix the validation of imported timber** (Test record issue FIMS65): When user selects imported tree species in the Input volume by classes (or Roundwood input volume by species), that total value of imported species needs to match with the Input by Raw Material Origin: Import species and with Harmonised Standard (HS) total value OR in case of primary industry: Input by forest owner type: Imported wood, Input by raw material source: Imported wood, Input by Raw material origin: Imported and Input by Harmonised standard (total). The system should:
   * Give notification for users that the above mentioned fields should be matching
   * Highlight the fields that are not matching. The comparison is done for the Roundwood input volume by species OR Input volume by classes rows. System should calculate the total of imported species and make it visible for the user to make the comparison easier (especially when more than 1 imported species is entered)
   * Have an option to save during the notification even the fields are not matching



**Figure 3.** Values for the fields of imported timber should be consistent between categories. If not, system should give notification to user but allow to user to save if he accept the difference

1. **Exporting products and HS standard should be matching,** (FIMS 66): When user enter Production output by target market: Export, the values need to match with the Harmonised Standard (HS). Otherwise, if user enters Production output by target market: and only “Domestic”, system should automatically deactivated/or keep the HS fields empty and allow user to save changes into system. The system should:
   * Give notification for users that the above mentioned fields should be matching
   * Highlight the fields if they are not matching
   * Have an option to save during the notification even the fields are not matching



**Figure 4.** Exported products and Output by Harmonised Standard (HS) should be matching as the exporting is not possible without knowing the HS codes

1. **Notification if theoretical output cannot be bigger than theoretical input,** (FIMS 86a): When user adding a new factory or edit the factory data, the field “Designed output capacity” cannot be bigger than “Designed input capacity”. The system should:
   * + Give notification for users if designed output capacity is bigger than designed input capacity
     + Highlight the fields
     + Have an option to save during the notification even the fields are not following the validation



**Figure 5.** Designed output capacity should not be bigger than designed input capacity.

1. **New notification for the user: Periodic data entry (monthly output cannot be bigger than monthly input +- available storage),** (FIMS 86b): The production output cannot be bigger than input + storage at the end of the last reporting month/period. The system should check the issue:

Input volume by classes (or Roundwood input volume by species) in selected reporting period + Current storage volume by classes in selected reporting period **>** Output by product category in selected reporting period + Current storage volume by product categories in previous reporting period

* + - Give a notification for the users if the production is higher than input and changes in the storage following the above equation
    - Advice user to check that he has entered first the monthly input and previous month storage situation
    - Inform user that this is only a notification and that data can be saved

1. **Periodic data entry tree species in input and output forms needs to matching,** (FIMS 87): List of tree species in wood production input (including tree species in current storage volume by classes) and wood production output (including tree species in current storage volume by product categories) should be the same. Currently, the system allows user to enter tree species for monthly wood production output that are totally different from monthly wood production input.

The System needs to check only that the name of the tree species are matching (, not the volumes) in the input and output forms

* + - Give a notification for the users if the products have different tree species than exists in the input and storage
    - Advice user to check that he has entered the monthly input and storage and previous month input and storage correctly
    - Inform user that this is only a notification and that data can be saved

# List of Figures and tables:

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[**Figure 2.** User needs to be able to enter amount, select unit, add conversion rate to either to m3 or to ton. The “Conversion rate” and “conversion to” are optional to be chosen if unit selection is m3 or ton 6](#_Toc520824448)

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ANNEXES:

1. Annex 2\_Aggregation rules of FIMS official reports based on the Circular 1 requirements\_EN\_VN.xls
2. Annex 3\_Prioritised List of Additional Requirements for the Forest Industry Monitoring System (FIMS).xls
3. Harmonised Standard (HS) codes in Foreign trade

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# Annex 2: In separate Excel file called “Annex 3\_Prioritised List of Additional Requirements for the Forest Industry Monitoring System (FIMS).xls”

# Annex 3: Harmonised Standard codes in Foreign trade:

Source: https://www.foreign-trade.com/reference/hscode.htm

|  |  |
| --- | --- |
| [**44**](https://www.foreign-trade.com/reference/hscode.htm?code=44) | **WOOD AND ARTICLES OF WOOD; WOOD CHARCOAL** |
| [**4401**](https://www.foreign-trade.com/reference/hscode.htm?code=4401) | Fuel wood, in logs, billets, twigs, faggots or similar forms; wood in chip or particles; sawdust and wood waste and scrap, whether or not agglomerated in logs, briquettes, pellets or similar forms   |  |  | | --- | --- | | **440111** | Wood; for fuel, in logs, in billets, in twigs, in faggots or similar forms, whether or not agglomerated, coniferous | | **440112** | Wood; for fuel, in logs, in billets, in twigs, in faggots or similar forms, whether or not agglomerated, non-coniferous | | **440121** | Wood; for fuel, in chips or particles, coniferous, whether or not agglomerated | | **440122** | Wood; for fuel, in chips or particles, non-coniferous, whether or not agglomerated | | **440131** | Wood; for fuel, sawdust and wood waste and scrap, agglomerated in logs, briquettes, pellets or similar forms; wood pellets | | **440139** | Wood; for fuel, sawdust and wood waste and scrap, agglomerated in logs, briquettes, pellets or similar forms; other than wood pellets | | **440140** | Wood; for fuel, sawdust and wood waste and scrap, not agglomerated | |
| [**4402**](https://www.foreign-trade.com/reference/hscode.htm?code=4402) | Wood charcoal (including shell or nut charcoal), whether or not agglomerated   |  |  | | --- | --- | | **440210** | Wood; charcoal of bamboo (including shell or nut charcoal), whether or not agglomerated | | **440290** | Wood; charcoal of wood other than bamboo (including shell or nut charcoal), whether or not agglomerated | |
| [**4403**](https://www.foreign-trade.com/reference/hscode.htm?code=4403) | Wood in the rough, whether or not stripped of bark or sapwood, or roughly squared   |  |  | | --- | --- | | **440311** | Wood; coniferous species, in the rough, whether or not stripped of bark or sapwood, or roughly squared; treated with paint, stains, creosote or other preservatives | | **440312** | Wood; non-coniferous species, in the rough, whether or not stripped of bark or sapwood, or roughly squared; treated with paint, stains, creosote or other preservatives | | **440321** | Wood; coniferous species, of pine (Pinus spp.), in the rough, whether or not stripped of bark or sapwood, or roughly squared, untreated, of which any cross-sectional dimension is 15 cm or more | | **440322** | Wood; coniferous species, of pine (Pinus spp.), in the rough, whether or not stripped of bark or sapwood, or roughly squared, untreated, of which any cross-sectional dimension is less than 15 cm | | **440323** | Wood; coniferous species, of fir (Abies spp.) and spruce (Picea spp.), in the rough, whether or not stripped of bark or sapwood, or roughly squared, untreated, of which any cross-sectional dimension is 15 cm or more | | **440324** | Wood; coniferous species, of fir (Abies spp.) and spruce (Picea spp.), in the rough, whether or not stripped of bark or sapwood, or roughly squared, untreated, of which any cross-sectional dimension is less than 15 cm | | **440325** | Wood; coniferous species n.e.c in headings 4403.21 or 4403.23, in the rough, whether or not stripped of bark or sapwood, or roughly squared, untreated, of which any cross-sectional dimension is 15 cm or more | | **440326** | Wood; coniferous species n.e.c in headings 4403.22 or 4403.24, in the rough, whether or not stripped of bark or sapwood, or roughly squared, untreated, of which any cross-sectional dimension is less than 15 cm | | **440341** | Wood, tropical; as specified in Subheading Note 2 to this Chapter, dark red meranti, light red meranti and meranti bakau, in the rough, whether or not stripped of bark or sapwood, or roughly squared, untreated | | **440349** | Wood, tropical; other than dark red meranti, light red meranti and meranti bakau, in the rough, whether or not stripped of bark or sapwood, or roughly squared, untreated | | **440391** | Wood; oak, in the rough, whether or not stripped of bark or sapwood, or roughly squared, untreated | | **440393** | Wood; of beech (Fagus spp.), in the rough, whether or not stripped of bark or sapwood, or roughly squared, untreated, of which any cross-sectional dimension is 15 cm or more | | **440394** | Wood; of beech (Fagus spp.), in the rough, whether or not stripped of bark or sapwood, or roughly squared, untreated, of which any cross-sectional dimension is less than 15 cm | | **440395** | Wood; of birch (Betula spp.), in the rough, whether or not stripped of bark or sapwood, or roughly squared, untreated, of which any cross-sectional dimension is 15 cm or more | | **440396** | Wood; of birch (Betula spp.), in the rough, whether or not stripped of bark or sapwood, or roughly squared, untreated, of which any cross-sectional dimension is less than 15 cm | | **440397** | Wood; of poplar and aspen (Populus spp.), in the rough, whether or not stripped of bark or sapwood, or roughly squared, untreated | | **440398** | Wood; of eucalyptus (Eucalyptus spp.), in the rough, whether or not stripped of bark or sapwood, or roughly squared, untreated | | **440399** | Wood; in the rough, whether or not stripped of bark or sapwood, or roughly squared, untreated, n.e.c. in heading no. 4403 | |
| [**4404**](https://www.foreign-trade.com/reference/hscode.htm?code=4404) | Hoopwood; split poles; piles, pickets, stakes of wood, pointed, not sawn lengthwise; wooden sticks, roughly trimmed, not turned, bent, etc., suitable for walking sticks, umbrellas, tool handles, etc.  ….  ….  …. |
| [**4405**](https://www.foreign-trade.com/reference/hscode.htm?code=4405) | Wood wool; wood flour  ....  ....  .... |
| [**4406**](https://www.foreign-trade.com/reference/hscode.htm?code=4406) | Railway or tramway sleepers (cross-ties) of wood |
| [**4407**](https://www.foreign-trade.com/reference/hscode.htm?code=4407) | Wood sawn or chipped lengthwise, sliced or peeled, whether or not planed, sanded or end-jointed, of a thickness exceeding 6mm |
| [**4408**](https://www.foreign-trade.com/reference/hscode.htm?code=4408) | Sheets for veneering (including those obtained by slicing laminated wood), for plywood or for similar laminated wood and other wood, sawn lengthwise, sliced or peeled, planed or not, sanded, spliced or end-jointed, of a thickness not exceeding 6 mm |
| [**4409**](https://www.foreign-trade.com/reference/hscode.htm?code=4409) | Wood (including strips, friezes for parquet flooring, not assembled), continuously shaped (tongued, grooved, v-jointed, beaded or the like) along any edges, ends or faces, whether or not planed, sanded or end-jointed |
| [**4410**](https://www.foreign-trade.com/reference/hscode.htm?code=4410) | Particle board, oriented strand board (OSB) and similar board (e.g. waferboard) of wood or other ligneous materials, whether or not agglomerated with resins or other organic binding substances |
| [**4411**](https://www.foreign-trade.com/reference/hscode.htm?code=4411) | Fibreboard of wood or other ligneous materials, whether or not bonded with resins or other organic substances |
| [**4412**](https://www.foreign-trade.com/reference/hscode.htm?code=4412) | Plywood, veneered panels and similar laminated wood |
| [**4413**](https://www.foreign-trade.com/reference/hscode.htm?code=4413) | Densified wood, in blocks, plates, strips or profile shapes |
| [**4414**](https://www.foreign-trade.com/reference/hscode.htm?code=4414) | Wooden frames; for paintings, photographs, mirrors or similar objects |
| [**4415**](https://www.foreign-trade.com/reference/hscode.htm?code=4415) | Packing cases, boxes, crates, drums and similar packings, of wood; cable-drums of wood; pallets, box pallets and other load boards, of wood; pallet collars of wood |
| [**4416**](https://www.foreign-trade.com/reference/hscode.htm?code=4416) | Casks, barrels, vats, tubs and other coopers' products and parts thereof, of wood, including staves |
| [**4417**](https://www.foreign-trade.com/reference/hscode.htm?code=4417) | Tools, tool bodies, tool handles, broom or brush bodies and handles, of wood; boot or shoe lasts and trees, of wood |
| [**4418**](https://www.foreign-trade.com/reference/hscode.htm?code=4418) | Builders' joinery and carpentry of wood, including cellular wood panels, assembled flooring panels, shingles and shakes |
| [**4419**](https://www.foreign-trade.com/reference/hscode.htm?code=4419) | Tableware and kitchenware, of wood |
| [**4420**](https://www.foreign-trade.com/reference/hscode.htm?code=4420) | Wood marquetry and inlaid wood; caskets and cases for jewellery or cutlery, and similar articles of wood; statuettes and other ornaments of wood; wooden articles of furniture not falling in chapter 94 |
| [**4421**](https://www.foreign-trade.com/reference/hscode.htm?code=4421) | Wooden articles n.e.c. in heading no. 4414 to 4420 |
|  |  |
| [**45**](https://www.foreign-trade.com/reference/hscode.htm?code=45) | **CORK AND ARTICLES OF CORK** |
| [**4501**](https://www.foreign-trade.com/reference/hscode.htm?code=4501) | Natural cork, raw or simply prepared; waste cork; crushed, granulated or ground cork |
| [**4502**](https://www.foreign-trade.com/reference/hscode.htm?code=4502) | Natural cork, debacked or roughly squared, or in rectangular (including square) blocks, plates, sheets or strip, (including sharp-edged blanks for corks or stoppers) |
| [**4503**](https://www.foreign-trade.com/reference/hscode.htm?code=4503) | Cork; articles of natural cork |
| [**4504**](https://www.foreign-trade.com/reference/hscode.htm?code=4504) | Agglomerated cork (with or without a binding substance) and articles of agglomerated cork |
|  |  |
| [**46**](https://www.foreign-trade.com/reference/hscode.htm?code=46) | **MANUFACTURES OF STRAW, ESPARTO OR OTHER PLAITING MATERIALS; BASKETWARE AND WICKERWORK** |
| [**4601**](https://www.foreign-trade.com/reference/hscode.htm?code=4601) | Plaits and similar products of plaiting materials, assembled into strips or not; plaiting materials, plaits and the like bound together in parallel strands or woven in sheet form, finished articles or not |
| [**4602**](https://www.foreign-trade.com/reference/hscode.htm?code=4602) | Basketwork, wickerwork and other articles, made directly to shape from plaiting materials or made up from goods of heading no. 4601; articles of loofah |
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| [**47**](https://www.foreign-trade.com/reference/hscode.htm?code=47) | **PULP OF WOOD OR OTHER FIBROUS CELLULOSIC MATERIAL; RECOVERED (WASTE AND SCRAP) PAPER OR PAPERBOARD** |
| [**4701**](https://www.foreign-trade.com/reference/hscode.htm?code=4701) | Wood pulp, mechanical wood pulp |
| [**4702**](https://www.foreign-trade.com/reference/hscode.htm?code=4702) | Chemical wood pulp, dissolving grades |
| [**4703**](https://www.foreign-trade.com/reference/hscode.htm?code=4703) | Chemical wood pulp, soda or sulphate, other than dissolving grades |
| [**4704**](https://www.foreign-trade.com/reference/hscode.htm?code=4704) | Chemical wood pulp, sulphite, other than dissolving grades |
| [**4705**](https://www.foreign-trade.com/reference/hscode.htm?code=4705) | Wood pulp obtained by a combination of mechanical and chemical pulping processes |
| [**4706**](https://www.foreign-trade.com/reference/hscode.htm?code=4706) | Pulps of fibres derived from recovered (waste and scrap) paper or paperboard or of other fibrous cellulosic material |
| [**4707**](https://www.foreign-trade.com/reference/hscode.htm?code=4707) | Waste and scrap of paper and paperboard |
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| [**48**](https://www.foreign-trade.com/reference/hscode.htm?code=48) | **PAPER AND PAPERBOARD; ARTICLES OF PAPER PULP, OF PAPER OR PAPERBOARD** |
| [**4801**](https://www.foreign-trade.com/reference/hscode.htm?code=4801) | Newsprint, in rolls or sheets |
| [**4802**](https://www.foreign-trade.com/reference/hscode.htm?code=4802) | Uncoated paper and paperboard, used for writing, printing or other graphics, non perforated punch-cards and punch tape paper, in rolls or rectangular sheets, of any size, other than paper of heading 4801 or 4803; hand-made paper and paperboard |
| [**4803**](https://www.foreign-trade.com/reference/hscode.htm?code=4803) | Tissue, towel, napkin stock or similar; for household or sanitary uses, cellulose wadding, webs of cellulose fibres, in rolls over 36cm in width or rectangular sheets with one side exceeding 36cm when unfolded |
| [**4804**](https://www.foreign-trade.com/reference/hscode.htm?code=4804) | Uncoated kraft paper and paperboard, in rolls or sheets, other than that of heading no. 4802 or 4803 |
| [**4805**](https://www.foreign-trade.com/reference/hscode.htm?code=4805) | Uncoated paper and paperboard n.e.c., in rolls or sheets |
| [**4806**](https://www.foreign-trade.com/reference/hscode.htm?code=4806) | Vegetable parchment, greaseproof papers, tracing papers, glassine and other glazed transparent or translucent papers, in rolls or sheets |
| [**4807**](https://www.foreign-trade.com/reference/hscode.htm?code=4807) | Composite paper and paperboard, (made by sticking layers together with an adhesive), not surface-coated or impregnated, whether or not internally reinforced, in rolls or sheets |
| [**4808**](https://www.foreign-trade.com/reference/hscode.htm?code=4808) | Paper and paperboard, corrugated (with or without glued flat surface sheets), creped, crinkled, embossed or perforated, in rolls or sheets other than paper of the kind described in heading 4803 |
| [**4809**](https://www.foreign-trade.com/reference/hscode.htm?code=4809) | Carbon paper, self copy paper, and other copying or transfer papers (including coated or impregnated paper for duplicator stencils or offset plates), whether or not printed, in rolls or sheets |
| [**4810**](https://www.foreign-trade.com/reference/hscode.htm?code=4810) | Paper and paperboard, coated one or both sides with kaolin (china clay) or inorganic substances, with binder or not, no other coating, surface coloured or not, surface decorated or printed, in rolls or rectangular (including square) sheets, of any size |
| [**4811**](https://www.foreign-trade.com/reference/hscode.htm?code=4811) | Paper, paperboard, cellulose wadding and webs of cellulose fibres, coated, impregnated, covered, surface-coloured, decorated or printed, rolls or sheets, other than goods of heading no. 4803, 4809, or 4810 |
| [**4812**](https://www.foreign-trade.com/reference/hscode.htm?code=4812) | Filter blocks, slabs and plates of paper pulp |
| [**4813**](https://www.foreign-trade.com/reference/hscode.htm?code=4813) | Cigarette paper, whether or not cut to size or in the form of booklets or tubes |
| [**4814**](https://www.foreign-trade.com/reference/hscode.htm?code=4814) | Wallpaper and similar wall coverings; window transparencies of paper |
| [**4816**](https://www.foreign-trade.com/reference/hscode.htm?code=4816) | Carbon paper, self-copy paper and other copying or transfer papers, (other than those of heading no. 4809), duplicator stencils and offset plates, of paper whether or not put up in boxes |
| [**4817**](https://www.foreign-trade.com/reference/hscode.htm?code=4817) | Envelopes, letter cards, plain postcards and correspondence cards, of paper, paperboard; boxes, pouches, wallets and writing compendiums, of paper or paperboard containing assortment of paper stationery |
| [**4818**](https://www.foreign-trade.com/reference/hscode.htm?code=4818) | Toilet paper, width 36cm or less or cut to size/shape; handkerchiefs, tissues, towels, serviettes, bed sheets and similar household or hospital articles, apparel and clothing accessories of paper pulp, paper, cellulose wadding or webs of cellulose fibres |
| [**4819**](https://www.foreign-trade.com/reference/hscode.htm?code=4819) | Cartons, boxes, cases, bags and the like, of paper, paperboard, cellulose wadding or fibres; box files, letter trays and the like, of paper or paperboard, of a kind used in offices, shops or the like |
| [**4820**](https://www.foreign-trade.com/reference/hscode.htm?code=4820) | Registers, account books, diaries and similar; albums for samples or collections, of paper or paperboard |
| [**4821**](https://www.foreign-trade.com/reference/hscode.htm?code=4821) | Paper or paperboard labels of all kinds, whether or not printed |
| [**4822**](https://www.foreign-trade.com/reference/hscode.htm?code=4822) | Bobbins, spools, cops and similar supports of paper pulp, paper or paperboard (whether or not perforated or hardened) |
| [**4823**](https://www.foreign-trade.com/reference/hscode.htm?code=4823) | Paper, paperboard, cellulose wadding and webs of cellulose fibres; cut to size or shape, articles of paper pulp, paper and paper-board, cellulose wadding or webs of cellulose fibres, n.e.c. in chapter 48 |
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| [**49**](https://www.foreign-trade.com/reference/hscode.htm?code=49) | **PRINTED BOOKS, NEWSPAPERS, PICTURES AND OTHER PRODUCTS OF THE PRINTING INDUSTRY; MANUSCRIPTS, TYPESCRIPTS AND PLANS** |
| [**4901**](https://www.foreign-trade.com/reference/hscode.htm?code=4901) | Printed books, brochures, leaflets and similar printed matter, whether or not in single sheets |
| [**4902**](https://www.foreign-trade.com/reference/hscode.htm?code=4902) | Newspapers, journals and periodicals, whether or not illustrated or containing advertising material |
| [**4903**](https://www.foreign-trade.com/reference/hscode.htm?code=4903) | Children's picture, drawing or colouring books |
| [**4904**](https://www.foreign-trade.com/reference/hscode.htm?code=4904) | Music, printed or in manuscript, whether or not bound or illustrated |
| [**4905**](https://www.foreign-trade.com/reference/hscode.htm?code=4905) | Maps and hydrographic or similar charts of all kinds, including atlases, wall maps, topographical plans and globes, printed |
| [**4906**](https://www.foreign-trade.com/reference/hscode.htm?code=4906) | Plans and drawings; for architectural, engineering, industrial, commercial, topographical or similar, being originals drawn by hand; hand-written texts; photo- graphic reproductions; their carbon copies |
| [**4907**](https://www.foreign-trade.com/reference/hscode.htm?code=4907) | Unused postage, revenue or similar stamps of current or new issue in the country in which they have, or will have, a recognised face value; stamp-impressed paper; cheque forms; banknotes, stock, share or bond certificates and the like of similar title |
| [**4908**](https://www.foreign-trade.com/reference/hscode.htm?code=4908) | Transfers (decalcomanias) |
| [**4909**](https://www.foreign-trade.com/reference/hscode.htm?code=4909) | Printed or illustrated postcards; printed cards bearing personal greetings, messages or announcements, whether or not illustrated, with or without envelopes or trimmings |
| [**4910**](https://www.foreign-trade.com/reference/hscode.htm?code=4910) | Calendars of any kind, printed, including calendar blocks |
| [**4911**](https://www.foreign-trade.com/reference/hscode.htm?code=4911) | Printed matter, n.e.c., including printed pictures and photographs   |  |  | | --- | --- | | [**40**](https://www.foreign-trade.com/reference/hscode.htm?code=40) | **RUBBER AND ARTICLES THEREOF** | | [**4001**](https://www.foreign-trade.com/reference/hscode.htm?code=4001) | Natural rubber, balata, gutta-percha, guayule, chicle and similar gums; in primary forms or in plates, sheets or strip | | [**4002**](https://www.foreign-trade.com/reference/hscode.htm?code=4002) | Synthetic rubber and factice derived from oils, in primary forms or in plates, sheets or strip; mixtures of heading no. 4001 and 4002, in primary forms or in plates, sheets or strip | | [**4003**](https://www.foreign-trade.com/reference/hscode.htm?code=4003) | Reclaimed rubber in primary forms or in plates, sheets or strip | | [**4004**](https://www.foreign-trade.com/reference/hscode.htm?code=4004) | Waste, parings and scrap of rubber (other than hard rubber) and powders and granules obtained therefrom | | [**4005**](https://www.foreign-trade.com/reference/hscode.htm?code=4005) | Compounded rubber, unvulcanised, in primary forms or in plates, sheets or strip | | [**4006**](https://www.foreign-trade.com/reference/hscode.htm?code=4006) | Unvulcanised rubber in other forms (e.g. rods, tubes and profile shapes) and articles (e.g. discs and rings) | | [**4007**](https://www.foreign-trade.com/reference/hscode.htm?code=4007) | Vulcanised rubber thread and cord | | [**4008**](https://www.foreign-trade.com/reference/hscode.htm?code=4008) | Plates, sheets, strip, rods and profile shapes, of vulcanised rubber other than hard rubber | | [**4009**](https://www.foreign-trade.com/reference/hscode.htm?code=4009) | Tubes, pipes and hoses, of vulcanised rubber (other than hard rubber), with or without their fittings (e.g. joints, elbows, flanges) | | [**4010**](https://www.foreign-trade.com/reference/hscode.htm?code=4010) | Conveyor or transmission belts or belting, of vulcanised rubber | | [**4011**](https://www.foreign-trade.com/reference/hscode.htm?code=4011) | New pneumatic tyres, of rubber | | [**4012**](https://www.foreign-trade.com/reference/hscode.htm?code=4012) | Retreaded or used pneumatic tyres of rubber; solid or cushion tyres, tyre treads and tyre flaps, of rubber | | [**4013**](https://www.foreign-trade.com/reference/hscode.htm?code=4013) | Inner tubes, of rubber | | [**4014**](https://www.foreign-trade.com/reference/hscode.htm?code=4014) | Hygienic or pharmaceutical articles (including teats), of vulcanised rubber other than hard rubber, with or without fittings of hard rubber | | [**4015**](https://www.foreign-trade.com/reference/hscode.htm?code=4015) | Articles of apparel and clothing accessories (including gloves, mittens and mitts), for all purposes, of vulcanised rubber other than hard rubber | | [**4016**](https://www.foreign-trade.com/reference/hscode.htm?code=4016) | Articles of vulcanised rubber other than hard rubber, n.e.c. in chapter 40 | | [**4017**](https://www.foreign-trade.com/reference/hscode.htm?code=4017) | Hard rubber (e.g. ebonite) in all forms, including waste and scrap; articles of hard rubber | |

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| [**94**](https://www.foreign-trade.com/reference/hscode.htm?code=94) | **FURNITURE; BEDDING, MATTRESSES, MATTRESS SUPPORTS, CUSHIONS AND SIMILAR STUFFED FURNISHINGS; LAMPS AND LIGHTING FITTINGS, N.E.C.; ILLUMINATED SIGNS, ILLUMINATED NAME-PLATES AND THE LIKE; PREFABRICATED BUILDINGS** |
| [**9401**](https://www.foreign-trade.com/reference/hscode.htm?code=9401) | Seats (not those of heading no. 9402), whether or not convertible into beds and parts thereof |
| [**9402**](https://www.foreign-trade.com/reference/hscode.htm?code=9402) | Furniture; medical, surgical, dental or veterinary (e.g. operating tables, hospital beds, dentists' chairs) barbers' chairs; parts |
| [**9403**](https://www.foreign-trade.com/reference/hscode.htm?code=9403) | Furniture and parts thereof, n.e.c. in chapter 94 |
| [**9404**](https://www.foreign-trade.com/reference/hscode.htm?code=9404) | Mattress supports; articles of bedding (e.g. mattresses, quilts, eiderdowns, cushions pouffes and pillows), fitted with springs or stuffed, whether or not covered |
| [**9405**](https://www.foreign-trade.com/reference/hscode.htm?code=9405) | Lamps, light fittings; including searchlights, spotlights and parts thereof, n.e.c.; illuminated signs, name-plates and the like, having permanently fixed light source and parts thereof n.e.c. or included |
| [**9406**](https://www.foreign-trade.com/reference/hscode.htm?code=9406) | Buildings; prefabricated |

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| [**95**](https://www.foreign-trade.com/reference/hscode.htm?code=95) | **TOYS, GAMES AND SPORTS REQUISITES; PARTS AND ACCESSORIES THEREOF** |
| [**9503**](https://www.foreign-trade.com/reference/hscode.htm?code=9503) | Tricycles, scooters, pedal cars and similar wheeled toys; dolls' carriages; dolls; other toys; reduced-size (scale) models and similar recreational models, working or not; puzzles of all kinds |
| [**9504**](https://www.foreign-trade.com/reference/hscode.htm?code=9504) | Video game consoles and machines, articles for funfair, table or parlour games, including pintables, billiards, special tables for casino games and automatic bowling alley equipment |
| [**9505**](https://www.foreign-trade.com/reference/hscode.htm?code=9505) | Festive, carnival or other entertainment articles, including conjuring tricks and novelty jokes |
| [**9506**](https://www.foreign-trade.com/reference/hscode.htm?code=9506) | Gymnastics, athletics, other sports (including table tennis) or outdoor games equipment, n.e.c. in this chapter, swimming pools and paddling pools |
| [**9507**](https://www.foreign-trade.com/reference/hscode.htm?code=9507) | Fishing rods, fish-hooks and other line fishing tackle; fish landing nets and the like; decoy birds (not those of heading no. 9208 or 9705) and similar hunting or shooting requisites |
| [**9508**](https://www.foreign-trade.com/reference/hscode.htm?code=9508) | Roundabouts, swings, shooting galleries, other fairground amusements, travelling circuses, travelling menageries and travelling theatres |

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| [**89**](https://www.foreign-trade.com/reference/hscode.htm?code=89) | **SHIPS, BOATS AND FLOATING STRUCTURES** |
| [**8901**](https://www.foreign-trade.com/reference/hscode.htm?code=8901) | Cruise ships, excursion boats, ferry-boats, cargo ships, barges and similar vessels for the transport of persons or goods |
| [**8902**](https://www.foreign-trade.com/reference/hscode.htm?code=8902) | Fishing vessels, factory ships and other vessels; for processing or preserving fishery products |
| [**8903**](https://www.foreign-trade.com/reference/hscode.htm?code=8903) | Yachts and other vessels; for pleasure or sports, rowing boats and canoes |
| [**8904**](https://www.foreign-trade.com/reference/hscode.htm?code=8904) | Tugs and pusher craft |
| [**8905**](https://www.foreign-trade.com/reference/hscode.htm?code=8905) | Light-vessels, fire-floats, dredgers, floating cranes, other vessels; the navigability of which is subsidiary to main function; floating docks, floating, submersible drilling, production platforms |
| [**8906**](https://www.foreign-trade.com/reference/hscode.htm?code=8906) | Vessels; other, including warships and lifeboats, other than rowing boats |
| [**8907**](https://www.foreign-trade.com/reference/hscode.htm?code=8907) | Boats, floating structures, other (for e.g. rafts, tanks, coffer-dams, landing stages, buoys and beacons) |
| [**8908**](https://www.foreign-trade.com/reference/hscode.htm?code=8908) | Vessels and other floating structures; for breaking up |

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| [**96**](https://www.foreign-trade.com/reference/hscode.htm?code=96) | **MISCELLANEOUS MANUFACTURED ARTICLES** |
| [**9601**](https://www.foreign-trade.com/reference/hscode.htm?code=9601) | Ivory, bone, tortoise-shell, horn, antlers, coral, mother-of-pearl and other animal carving material and articles of these materials; worked, (including articles obtained by moulding) |
| [**9602**](https://www.foreign-trade.com/reference/hscode.htm?code=9602) | Vegetable, mineral carving material and articles of these materials, moulded or carved articles of wax, stearin, natural gums, resins or modelling pastes, worked unhardened gelatin (not heading no. 3503) |
| [**9603**](https://www.foreign-trade.com/reference/hscode.htm?code=9603) | Brooms, brushes (including parts of machines), hand operated floor sweepers, mops and feather dusters; knots and tufts for broom or brush making; paint pads and rollers; squeegees |
| [**9604**](https://www.foreign-trade.com/reference/hscode.htm?code=9604) | Hand sieves and hand riddles |
| [**9605**](https://www.foreign-trade.com/reference/hscode.htm?code=9605) | Travel sets; for personal toilet, sewing, shoe or clothes cleaning |
| [**9606**](https://www.foreign-trade.com/reference/hscode.htm?code=9606) | Buttons, press-fasteners, snap-fasteners and press-studs, button moulds and other parts of these articles; button blanks |
| [**9607**](https://www.foreign-trade.com/reference/hscode.htm?code=9607) | Slide fasteners and parts thereof |
| [**9608**](https://www.foreign-trade.com/reference/hscode.htm?code=9608) | Pens; ball-point, felt tipped, other porous tipped pens; fountain pens, stylograph pens duplicating stylos, propelling or sliding pencils; parts of the foregoing, excluding those of heading no. 9609 |
| [**9609**](https://www.foreign-trade.com/reference/hscode.htm?code=9609) | Pencils (not of heading no. 9608), crayons, pencil leads, pastels, drawing charcoals, writing or drawing chalks and tailors' chalks |
| [**9610**](https://www.foreign-trade.com/reference/hscode.htm?code=9610) | Slates and boards, with writing or drawing surfaces, whether or not framed |
| [**9611**](https://www.foreign-trade.com/reference/hscode.htm?code=9611) | Stamps; date, numbering, sealing stamps and the like (including devices for printing or embossing labels), designed for operating by hand; hand operated composing sticks and printing sets |
| [**9612**](https://www.foreign-trade.com/reference/hscode.htm?code=9612) | Typewriter, similar ribbons, inked, otherwise prepared for giving impressions, whether or not on spools or in cartridges; ink pads, whether or not inked, with or without boxes |
| [**9613**](https://www.foreign-trade.com/reference/hscode.htm?code=9613) | Cigarette lighters and other lighters, whether or not mechanical or electrical and parts thereof other than flints and wicks |
| [**9614**](https://www.foreign-trade.com/reference/hscode.htm?code=9614) | Smoking pipes (including pipe bowls) and cigar or cigarette holders, and parts thereof |
| [**9615**](https://www.foreign-trade.com/reference/hscode.htm?code=9615) | Combs, hair-slides and similar; hairpins, curling pins, curling grips and hair curlers and the like, other than those of heading no. 8516 and parts thereof |
| [**9616**](https://www.foreign-trade.com/reference/hscode.htm?code=9616) | Scent sprays and similar toilet sprays and mounts and heads therefor; powder-puffs and pads for the application of cosmetics or toilet preparations |
| [**9617**](https://www.foreign-trade.com/reference/hscode.htm?code=9617) | Vacuum flasks and other vacuum vessels, complete with cases; parts thereof other than glass inners |
| [**9618**](https://www.foreign-trade.com/reference/hscode.htm?code=9618) | Tailors' dummies and other lay figures; automata and other animated displays used for shop window dressing |
| [**9619**](https://www.foreign-trade.com/reference/hscode.htm?code=9619) | Sanitary towels (pads) and tampons, napkins and napkin liners for babies and similar articles, of any material |
| [**9620**](https://www.foreign-trade.com/reference/hscode.htm?code=9620) | Monopods, bipods, tripods and similar articles |
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