



EN

MAC Protocol
Committee of Governmental Experts
Second session
Rome, 2 – 6 October 2017

UNIDROIT 2017
Study 72K – CGE2 – Doc. 5
Original: English
September 2017

**SPREADSHEET DETAILING HARMONIZED SYSTEM CODES PROPOSED FOR INCLUSION IN
THE ANNEXES TO THE PRELIMINARY DRAFT MAC PROTOCOL**

(Prepared by the UNIDROIT Secretariat)

Introduction

1. The purpose of this document is to provide the Committee of Governmental Experts with additional information on the 36 Harmonized Commodity Description and Coding System codes (HS codes) proposed for inclusion in the Annexes to the preliminary draft MAC Protocol.
2. The first part of the spreadsheet (shaded in green) contains a directory of 36 HS codes, identified in ascending numerical order, covering equipment identified by the Study Group as appropriate for consideration and possible inclusion under the future MAC Protocol. The spreadsheet contains a second section (shaded in orange) covering 73 HS codes that the Study Group deemed as unsuitable for inclusion in the future MAC Protocol.
3. The information contained in this document is based upon research undertaken by the UNIDROIT Secretariat and data provided by the MAC Protocol Working Group.¹ Further information on the development of this document and the Study Group process is provided in the background section below.
4. No modifications to the 36 HS codes contained in the Annexes to the preliminary draft Protocol were made during the first session of the Committee of Governmental Experts (CGE1, Rome, 20-24 March 2017). As such, this spreadsheet has not been changed from the document provided to CGE1.
5. As consistent with the Annexes to the preliminary draft MAC Protocol, this spreadsheet is based upon the 2012 fifth edition of the HS System. Study 72K – CGE2 – Doc. 6 discusses how the 2017 sixth edition of the HS System affects the 36 HS codes contained in the Annexes to the preliminary draft MAC Protocol. The four HS codes affected by the 2017 amendments (HS codes 842481, 843230, 843240 and 870190) are denoted in red writing in this spreadsheet (located in cells 2, 22, 23 and 32 respectively).

¹ The MAC Protocol Working Group is an independent body outside the purview of UNIDROIT that was formed in 2015 to encourage private sector participation in developing the MAC Protocol. The Working Group is also responsible for communicating and representing private sector interests during the drafting process.

Information contained in the spreadsheet

6. The first column in the below spreadsheet contains 4-digit HS codes (e.g., 8429) accompanied by the relevant description (e.g., self-propelled bulldozers, angledozers, graders, levelers, scrapers, mechanical shovels, excavators, shovel loaders, tamping machines and road rollers) sourced from the World Customs Organization (WCO) HS Nomenclature (2012 edition), governed by the International Convention on the Harmonized Commodity Description and Coding System.

7. The HS codes identified in the document have been selected from Chapters 82, 84, and 85 of the HS Nomenclature, which are separated by grey lines. The 4-digit HS codes cover categories of equipment which are too broad for inclusion under the future MAC Protocol. Accordingly, the second and third columns identify a sub-category of the 4-digit HS codes by reference to 6-digit (e.g., 842920) more specific HS codes accompanied by their description (e.g., graders and levelers). The fourth column entitled "Examples and Uses" attempts to identify a typical example of equipment that is covered by the relevant 6-digit HS code, explaining its uses in relation to mining, agricultural, or construction activities (e.g., see 820713 - Machines used for tunnel boring (i.e. build tunnels) and parts utilized both in the construction and mining industries). The fifth column includes an image of the equipment covered by the relevant HS code. These two columns were included in order to assist the participants at the first session of the Committee of Governmental Experts to better understand the kind of equipment covered by the selected HS codes.

8. As one of the three main criteria for developing future protocols under Article 51 of the Cape Town Convention is "high value", a sixth column identifying the range of list prices for new equipment has been included, as provided and verified by the private sector-led Working Group. A range has been selected instead of an approximate value because some 6-digit HS codes may cover a variety of equipment of the same type (e.g., see 842952).

9. Related to the pricing of new equipment, the adjoining seventh column, entitled "COMTRADE Statistics", identifies the volume of annual global exports/imports of the equipment covered by the relevant 6-digit HS code. COMTRADE is maintained by the United Nations Statistics Division that also assisted the Secretariat in pulling this data from the database. The main purpose for including this column is to verify that there is indeed a significant market/demand for that type of equipment.

10. The eighth column named "Category" classifies the equipment covered by the 6-digit code under one or more types of equipment, namely mining, agricultural, or construction. This classification is important for the placing of the relevant HS code into one of the three Annexes to the preliminary draft MAC Protocol that separately cover mining, agricultural, and construction equipment. Some 6-digit HS codes contain different, though related, types of equipment that may be used in two or all of the three industries. Where that is the case, the relevant 6-digit HS code has been listed in multiple Annexes to the preliminary draft MAC Protocol.

11. The ninth column attempts to identify whether the equipment covered by the relevant HS code is separately financed in practice. Separate finance-ability was one of the criteria applied by the Study Group to consider the suitability of equipment covered by the selected HS codes under the preliminary draft MAC Protocol.

12. The tenth column examines whether the equipment covered by the 6-digit HS code has a serial number. At times, the equipment may be composed of various components that have their own serial numbers. This column also captures those situations.

13. The eleventh and final column has been included to examine whether the type of equipment covered by the relevant 6-digit HS code is commonly associated with an immovable (e.g., a crane that is affixed to a concrete slab). The purpose of this column is to inform the deliberations on the drafting of articles relating to immovable-associated equipment. For some 6-digit HS codes, the answer is “in some instances” because the relevant equipment may be used in a manner that does or does not require its affixation.

Background

14. This spreadsheet is based upon previous documents prepared by the UNIDROIT Secretariat for consideration by the Study Group at its second meeting (Rome, March 2015) and subsequently updated for the third and fourth Study Group meetings.² It was further revised by the UNIDROIT Secretariat for consideration at the first session of the Committee of Governmental Experts. No substantive modifications have been made to this spreadsheet since its consideration at CGE1.

15. The HS codes considered by the Study Group were derived from an original list of 97 HS codes provided by the private industry during consultations in Washington in 2013 and 2014. The list was later expanded upon request by the private sector-led MAC Protocol Working Group.

16. Following its fourth meeting, the Study Group divided the spreadsheet of HS codes into three Tiers, based on the degree of their suitability for the purposes of the future MAC Protocol. Tier 1 contained “suitable codes”; Tier 2 “possible codes”; and Tier 3 “unsuitable codes.” This three-tier system was devised by the Study Group to categorize the initial list of HS codes identified by the mining, agriculture, and construction (MAC) industry. The criteria for categorisation of HS codes are further explained in the Legal Analysis document, Study 72K – CGE2 – Doc. 4. Over the course of deliberations, several HS codes were re-categorized based on the new information provided to the Study Group.

17. To simplify matters, in the document now provided to the Committee of Governmental experts, the former Tier 1 HS codes have now been identified by green shading as the suitable codes, and the former Tier 2 and Tier 3 codes has now been identified by orange shading as the unsuitable codes.

18. The orange shaded HS codes cover equipment that was not found to be suitable for inclusion in the future MAC Protocol for a number of reasons, including; (i) the HS code covered only parts of equipment that are not separately financed; (ii) the HS code covered multipurpose equipment predominantly used in industries other than mining, agriculture, and construction (e.g., the equipment is used predominantly in transportation); or (iii) the HS code mainly covered items of insignificant market value.

² For earlier iterations of the spreadsheet considered by the Study Group, please see [UNIDROIT 2015 – Study 72K – SG2 – Doc. 3](#), [UNIDROIT 2015 – Study 72K – SG3 – Doc. 4](#), [UNIDROIT 2016 – Study 72K – SG4 – Doc. 4](#) and [UNIDROIT 2016 – Study 72K – SG4 – Doc. 8](#).

LIST OF HS CODES DEEMED SUITABLE FOR INCLUSION IN THE ANNEXES TO THE MAC PROTOCOL - LAST UPDATED SEPTEMBER 2017											
No.	4 Digit HS Code and Name	Additional sub-grouping	6 Digit HS Code and Name	Examples	Images	Approximate Range of List Prices for New Equipment (\$USD)	Comtrade Statistics (\$USD)	Category	Is Equipment Separately Financed or Leased (Y/N)?	Does Equipment have single manufacturer's Serial Number (Y/N)?	Is Equipment Required to be Affixed to Immovable Property to Function (Y/N)?
CHAPTER 82 - tools, implements, cutlery, spoons and forks, of base metal; parts thereof of base metal											
1	8207 - Interchangeable tools for hand tools, whether or not power-operated, or for machine tools (for example, for pressing, stamping, punching, tapping, threading, drilling, boring, broaching, milling, turning or screw driving), including dies for drawing or extruding metal, and rock drilling or earth boring tools	Rock drilling or earth boring tools, and parts thereof	820713 -- With working part of cermets	Machines for tunnel boring (i.e. to build tunnels) and parts utilized both in the construction and mining industries.	Top hammer drill: 	300,000 - 400,000	912,843,407	Construction and Mining	yes	yes	no
CHAPTER 84 - Nuclear reactors, boilers, machinery and mechanical appliances; parts thereof											
2	8424 - Mechanical appliances (whether or not hand-operated) for projecting, dispersing, or spraying liquids or powders; fire extinguishers, whether or not charged; spray guns and similar appliances; steam or sand blasting machines and similar jet projecting machines	Other appliances	842481 – Agricultural or Horticultural	Mechanical appliances used for different agricultural purposes that can be connected and disconnected from tractors.	Agricultural or horticultural appliance (sprayer): 	200,000 - 450,000	3,463,983,906	Agriculture	yes	yes	no
3	8426 - Ships' derricks; cranes, including cable cranes; mobile lifting frames, straddle carriers and works trucks fitted with a crane	Other machinery, self-propelled	842641 -- On tires	Crawler cranes, which are self-propelled cranes used to load, unload, and stack cargo containers in shipping ports and terminals.		350,000 - 1,550,000	2,718,615,616	Construction	yes	yes	no
				Loader Cranes (also called knuckle-boom cranes or articulating cranes) are hydraulically-powered articulated arm fitted to a truck or trailer, and used for loading/unloading.		180,000 - 400,000	Not applicable	Construction	yes	yes	no

LIST OF HS CODES DEEMED SUITABLE FOR INCLUSION IN THE ANNEXES TO THE MAC PROTOCOL - LAST UPDATED SEPTEMBER 2017											
No.	4 Digit HS Code and Name	Additional sub-grouping	6 Digit HS Code and Name	Examples	Images	Approximate Range of List Prices for New Equipment (\$USD)	Comtrade Statistics (\$USD)	Category	Is Equipment Separately Financed or Leased (Y/N)?	Does Equipment have single manufacturer's Serial Number (Y/N)?	Is Equipment Required to be Affixed to Immovable Property to Function (Y/N)?
				Telescopic Cranes have booms that consist of a number of tubes fitted one inside the other. A hydraulic or other powered mechanism extends or retracts the tubes to increase or decrease the total length of the boom.		370,000 - 1,500,000	Not applicable	Construction	yes	yes	no
4	8426 - Ships' derricks; cranes, including cable cranes; mobile lifting frames, straddle carriers and works trucks fitted with a crane	Other machinery, self-propelled	842649 -- Other	Derrick cranes, which have a movable pivoted arm for moving or lifting heavy weights, especially onto a ship. This codes also covers mobile pneumatic conveyors that may be used to transfer grain out of a ship's storage hold and into a hopper located on the dock.	Derrick crane: 	220,000	2,795,713,121	Construction	yes	yes	In some instances
5	8429 - Self-propelled bulldozers, angledozers, graders, levelers, scrapers, mechanical shovels, excavators, shovel loaders, tamping machines and road rollers	Bulldozers and angledozers	842911 -- Track laying	Crawler, caterpillar, or track-laying tractors that run on two continuous tracks consisting of a number of plates or pads pivoted together and joined to form a pair of endless chains, each encircling two wheels on either side of the vehicle.	Track-laying bulldozer: 	295,000 - 650,000	3,762,704,899	Agriculture, Construction and Mining	yes	yes	no
6	8429 - Self-propelled bulldozers, angledozers, graders, levelers, scrapers, mechanical shovels, excavators, shovel loaders, tamping machines and road rollers	Bulldozers and angledozers	842919 -- Other	Graders, levelers, scrapers, mechanical shovels, excavators, shovel loaders, tamping machines and road rollers.	Bulldozer: 	100,000 - 2,000,000	328,245,094	Agriculture, Construction and Mining	yes	Most. Individual replacement blades not all serialised.	no
				Angledozers used for handling broken and granular materials, soils and gravel. The moldboard pivots about its center point to cast materials left or right.		100,000 - 2,000,000	Not applicable	Agriculture, Construction and Mining	yes	Most. Individual replacement blades not all serialised.	no
				Straight Blade Dozers used for moving large, sharp and abrasive objects.		100,000 - 2,000,000	Not applicable	Agriculture, Construction and Mining	no	Most. Individual replacement blades not all serialised.	no
				Semi-U Blade Dozers, built much like Straight Blade Dozers but with a deeper profile and closed ends to help keep granular materials in front for long pushes.		100,000 - 2,000,000	Not applicable	Agriculture, Construction and Mining	no	Most. Individual replacement blades not all serialised.	no

LIST OF HS CODES DEEMED SUITABLE FOR INCLUSION IN THE ANNEXES TO THE MAC PROTOCOL - LAST UPDATED SEPTEMBER 2017											
No.	4 Digit HS Code and Name	Additional sub-grouping	6 Digit HS Code and Name	Examples	Images	Approximate Range of List Prices for New Equipment (\$USD)	Comtrade Statistics (\$USD)	Category	Is Equipment Separately Financed or Leased (Y/N)?	Does Equipment have single manufacturer's Serial Number (Y/N)?	Is Equipment Required to be Affixed to Immovable Property to Function (Y/N)?
				U-Blade Dozers, designed to push large quantities of granular materials over long distances.		100,000 - 2,000,000	Not applicable	Agriculture, Construction and Mining	no	Most. Individual replacement blades not all serialised.	no
7	8429 - Self-propelled bulldozers, angledozers, graders, levelers, scrapers, mechanical shovels, excavators, shovel loaders, tamping machines and road rollers		842920 -- Graders and levelers	Graders are commonly used in the construction and maintenance of dirt roads and gravel roads. In the construction of paved roads they are used to prepare the base course to create a wide flat surface for the asphalt to be placed on.		300,000 - 1,200,000	2,135,492,649	Agriculture and Construction	yes	yes	no
8	8429 - Self-propelled bulldozers, angledozers, graders, levelers, scrapers, mechanical shovels, excavators, shovel loaders, tamping machines and road rollers		842930 -- Scrapers	The scraper is a large piece of equipment used in mining, construction, agriculture for earthmoving.		100,000 (scraper) - 1,200,000 (scraper tractor)	122,500,113	Agriculture and Construction	yes	yes	no
9	8429 - Self-propelled bulldozers, angledozers, graders, levelers, scrapers, mechanical shovels, excavators, shovel loaders, tamping machines and road rollers	Mechanical shovels, excavators and shovel loaders	842951 -- Front-end shovel loaders	Loaders (bucket loaders, front loaders, front-end loaders, payloaders, scoop, shovel, skip loaders, or wheel loaders) are used to move aside or load materials such as asphalt, demolition debris, dirt, snow, feed, gravel, logs, raw minerals, recycled material, rock, sand, woodchips, etc.		150,000 - 2,300,000	9,991,183,976	Agriculture, Construction and Mining	yes	yes	no
				Back hoes are a type of excavators which consists of a tractor, front shovel bucket and small backhoe in the rear. It is the most common excavator used today.		100,000 - 200,000	Not applicable	Agriculture and Construction	yes	yes	no
				Crawlers and compact excavators are high horsepower excavators used in heavy tasks. Compact excavators are used to lift of soil and debris using hydraulic power mechanisms.		100,000 - 1,100,000	Not applicable	Agriculture and Construction	yes	yes	no
				Wheel loaders are front-end-loading machines which dig and do secondary loading.		125,000 - 2,300,000	Not applicable	Agriculture, Construction and Mining	yes	yes	no

LIST OF HS CODES DEEMED SUITABLE FOR INCLUSION IN THE ANNEXES TO THE MAC PROTOCOL - LAST UPDATED SEPTEMBER 2017											
No.	4 Digit HS Code and Name	Additional sub-grouping	6 Digit HS Code and Name	Examples	Images	Approximate Range of List Prices for New Equipment (\$USD)	Comtrade Statistics (\$USD)	Category	Is Equipment Separately Financed or Leased (Y/N)?	Does Equipment have single manufacturer's Serial Number (Y/N)?	Is Equipment Required to be Affixed to Immovable Property to Function (Y/N)?
10	8429 - Self-propelled bulldozers, angledozers, graders, levelers, scrapers, mechanical shovels, excavators, shovel loaders, tamping machines and road rollers	Mechanical shovels, excavators and shovel loaders	842952 -- Machinery with a 360° degrees revolving superstructure	Excavator with power-operated shovels which have a 360 degree revolving superstructure.		130,000 - 1,100,000	20,347,600,913	Agriculture, Construction and Mining	yes	yes	no
11	8429 - Self-propelled bulldozers, angledozers, graders, levelers, scrapers, mechanical shovels, excavators, shovel loaders, tamping machines and road rollers	Mechanical shovels, excavators and shovel loaders	842959 -- Other	Excavators primarily designed for excavation and loading of excavated materials.		20,000 - 6,000,000	3,668,687,643	Agriculture, Construction and Mining	yes	yes	no
12	8430 - Other moving, grading, levelling, scraping, excavating, tamping, compacting, extracting or boring machinery, for earth, minerals or ores; pile-drivers and pile-excavators; snow ploughs and snow-blowers		843010 -- Pile-drivers and pile-extractors	Pile drivers used to drive piles (poles) into soil to provide foundation support for buildings or other structures.	Pile-driver: 	68,698 - 200,000	581,016,699	Construction and Mining	yes	yes	no
				Diesel Hammers are pile drivers using a diesel engine.		31,000 - 500,000	Not applicable	Construction and Mining	yes	yes	no
				Hydraulic hammers are powerful percussion hammers fitted to excavators for demolishing concrete structures or rocks, powered by auxiliary hydraulic systems from the excavator.		200,000 - 1,800,000	Not applicable	Construction and Mining	yes	yes	no
13	8430 - Other moving, grading, levelling, scraping, excavating, tamping, compacting, extracting or boring machinery, for earth, minerals or ores; pile-drivers and pile-excavators; snow ploughs and snow-blowers	Coal or rock cutters and tunneling machinery	843031 -- Self-propelled	Self-propelled machines used to cut rocks and coal as well as machines used for tunneling.	Self-propelled coal cutter: 	200,000 - 3,000,000	1,115,521,283	Construction and Mining	yes	yes	no
				Directional boring, commonly called horizontal directional drilling or HDD, is a steerable trenchless method of installing underground pipes, conduits and cables in a shallow arc along a prescribed bore path by using a surface launched drilling rig, with minimal impact on the surrounding area.	Horizontal Directional Drill (HDD). Self Propelled: 	200,000 - 3,000,000	Not applicable	Construction and Mining	yes	yes	no

LIST OF HS CODES DEEMED SUITABLE FOR INCLUSION IN THE ANNEXES TO THE MAC PROTOCOL - LAST UPDATED SEPTEMBER 2017											
No.	4 Digit HS Code and Name	Additional sub-grouping	6 Digit HS Code and Name	Examples	Images	Approximate Range of List Prices for New Equipment (\$USD)	Comtrade Statistics (\$USD)	Category	Is Equipment Separately Financed or Leased (Y/N)?	Does Equipment have single manufacturer's Serial Number (Y/N)?	Is Equipment Required to be Affixed to Immovable Property to Function (Y/N)?
14	8430 - Other moving, grading, levelling, scraping, excavating, tamping, compacting, extracting or boring machinery, for earth, minerals or ores; pile-drivers and pile-excavators; snow ploughs and snow-blowers	Coal or rock cutters and tunneling machinery	843039 -- Other	Hammers that are used i) in rock breaking operations and sometimes in tunneling operations and ii) hammers used by backhoe loaders and small excavators in concrete and bituminous/asphalt breaking operations.	Hammer on backhoe: 	10,000 - 62,000	856,491,187	Construction and Mining	yes	yes	no
15	8430 - Other moving, grading, levelling, scraping, excavating, tamping, compacting, extracting or boring machinery, for earth, minerals or ores; pile-drivers and pile-excavators; snow ploughs and snow-blowers	Other boring or sinking machinery	843041 -- Self-propelled	Mobile seismic drilling units to drill holes in the crust of the earth.	Mobile drilling unit: 	52,000 - 375,000	3,334,212,825	Construction and Mining	yes	yes	no
16	8430 - Other moving, grading, levelling, scraping, excavating, tamping, compacting, extracting or boring machinery, for earth, minerals or ores; pile-drivers and pile-excavators; snow ploughs and snow-blowers	Other boring or sinking machinery	843049 -- Other	Either stationary and fixed or mobile machinery for attacking the earth's crust (e.g. cutting and breaking down rock and coal, excavation, digging and drilling) or for preparing or compacting terrain.		750,000 - 8,000,000	3,230,512,055	Agriculture, Construction and Mining	yes	yes	In some instances
17	8430 - Other moving, grading, levelling, scraping, excavating, tamping, compacting, extracting or boring machinery, for earth, minerals or ores; pile-drivers and pile-excavators; snow ploughs and snow-blowers		843050 -- Other machinery, self-propelled	I) hydraulic mine roof shield supports that comprise a longwall mining system used in underground coal mining and ii) trenching machines used to cut through bricks, tree roots and hard ground.	Self-propelled motor grader: 	300,000 - 1,200,000	986,416,440	Agriculture, Construction and Mining	yes	yes	no
				Terrain leveler surface excavation machines for surface mining, site prep, rock excavation as an alternative to blasting or hammering. Surface Miners are a technology for extracting and crushing material in one continuous process.		2,000,000 - 8,000,000	Not applicable	Construction and Mining	yes	yes	no
18	8430 - Other moving, grading, levelling, scraping, excavating, tamping, compacting, extracting or boring machinery, for earth, minerals or ores; pile-drivers and pile-excavators; snow ploughs and snow-blowers	Other machinery, not self-propelled	843061 -- Tamping or compacting machinery	Soil compactors.		25,000 - 640,000	421,649,976	Construction and Mining	yes	yes	no

LIST OF HS CODES DEEMED SUITABLE FOR INCLUSION IN THE ANNEXES TO THE MAC PROTOCOL - LAST UPDATED SEPTEMBER 2017											
No.	4 Digit HS Code and Name	Additional sub-grouping	6 Digit HS Code and Name	Examples	Images	Approximate Range of List Prices for New Equipment (\$USD)	Comtrade Statistics (\$USD)	Category	Is Equipment Separately Financed or Leased (Y/N)?	Does Equipment have single manufacturer's Serial Number (Y/N)?	Is Equipment Required to be Affixed to Immovable Property to Function (Y/N)?
				Static Smooth Wheeled Rollers used on soils which do not require great pressure for compaction. These rollers are generally used for finishing the upper surface of the soil. These roller are not used for compaction of uniform sands.		100,000 - 300,000	Not applicable	Construction	yes	yes	no
				Grid Rollers are used for compaction of weathered rocks, well graded coarse soils. These rollers are not suitable for clayey soils, silty clays and uniform soils. The main use of these rollers are in subgrade and sub-base in road constructions.		100,000 - 300,000	Not applicable	Construction	yes	yes	no
19	8430 - Other moving, grading, levelling, scraping, excavating, tamping, compacting, extracting or boring machinery, for earth, minerals or ores; pile-drivers and pile-excavators; snow ploughs and snow-blowers	Other machinery, not self-propelled	843069 -- Other	Concrete level truss screed machine.		55,582 - 145,000	1,396,478,725	Construction	yes	yes	yes
20	8432 - Agricultural, horticultural or forestry machinery for soil preparation or cultivation; lawn or sports-ground rollers		843210 -- Plows	It includes plows that are large farming implements with one or more blades affixed to a frame, drawn by a tractor and used for cutting furrows in the soil and turning it over, especially to prepare for the planting of seeds.	Plow: 	10,000 - 125,000	522,589,288	Agriculture	yes	yes	no
				Chisel plows used for breaking up the soil and deep tillage. Chisel plows disturb the soil below the surface, and try to reduce the amount of top layers disturbed.		10,000 - 100,000	Not applicable	Agriculture	yes	yes	no
				Disc plows cut soil by using discs instead of a wedge-shaped blade. Disc Plows can generally divided into 2 categories. They are: Bullock Based and Tractor Based.		100,000	Not applicable	Agriculture	yes	yes	no

LIST OF HS CODES DEEMED SUITABLE FOR INCLUSION IN THE ANNEXES TO THE MAC PROTOCOL - LAST UPDATED SEPTEMBER 2017											
No.	4 Digit HS Code and Name	Additional sub-grouping	6 Digit HS Code and Name	Examples	Images	Approximate Range of List Prices for New Equipment (\$USD)	Comtrade Statistics (\$USD)	Category	Is Equipment Separately Financed or Leased (Y/N)?	Does Equipment have single manufacturer's Serial Number (Y/N)?	Is Equipment Required to be Affixed to Immovable Property to Function (Y/N)?
				Subsoiler: The subsoiler, sometimes called a mole plow, attaches rake blades (also named rippers) to a plow frame to dig deep below the surface of the field.		60,000 - 125,000	Not applicable	Agriculture	yes	yes	no
21	8432 - Agricultural, horticultural or forestry machinery for soil preparation or cultivation; lawn or sports-ground rollers	Harrows, scarifiers, cultivators, weeders and hoes	843221 -- Disc harrows	Disc harrows are used to cultivate the soil where crops are to be planted. It is also used to chop up unwanted weeds or crop remainders. It consists of many iron or steel discs which have slight concavity and are arranged into two or four sections.	Disc harrow: 	10,000 - 140,000	396,570,075	Agriculture	yes	yes	no
				Spring Harrows use flexible iron teeth that mounted in rows to loosen up the soil to prepare it for planting.		10,000 - 100,000	Not applicable	Agriculture	yes	yes	no
22	8432 - Agricultural, horticultural or forestry machinery for soil preparation or cultivation; lawn or sports-ground rollers		843230 - Seeders, planters and transplanters	It includes i) seeder which is a machine for sowing seed mechanically; ii) planters which is an implement or machine for planting seeds in the ground; and iii) a seed drill that may be used for pasture overseeding or for use over plowed ground.	Seeder: 	20,000 - 200,000 (Drills) 300,000 (seeding equipment) 500,000 (planters)	1,639,281,482	Agriculture	yes	yes	no
				Air seeders are used to sowing small, round seeds.		60,000 - 200,000 (Air Drills)	Not applicable	Agriculture	yes	yes	no
				Planters are the most accurate type of seeder available, and they are the most expensive ones.		30,000 - 500,000	Not applicable	Agriculture	yes	yes	no
23	8432 - Agricultural, horticultural or forestry machinery for soil preparation or cultivation; lawn or sports-ground rollers		843240 - Manure Spreaders and fertilizer distributors	Manure spreaders, muck spreaders or honey wagons are agricultural machines used to distribute manure over a field as a fertilizer and ii) a fertilizer distributor which is a machine used to distribute fertilizer evenly into crops.	Manure spreader (attached to tractor): 	10,000 - 350,000	486,560,702	Agriculture	yes	yes	no
				Box spreaders such as this spinner discharge box spreader can handle many dry, flowable, high-value materials such as compost, poultry litter, and industrial materials. A heavy-duty metering endgate, effectively controls the movement of materials to the spinners.		250,000 - 350,000	Not applicable	Agriculture	yes	yes	no

LIST OF HS CODES DEEMED SUITABLE FOR INCLUSION IN THE ANNEXES TO THE MAC PROTOCOL - LAST UPDATED SEPTEMBER 2017											
No.	4 Digit HS Code and Name	Additional sub-grouping	6 Digit HS Code and Name	Examples	Images	Approximate Range of List Prices for New Equipment (\$USD)	Comtrade Statistics (\$USD)	Category	Is Equipment Separately Financed or Leased (Y/N)?	Does Equipment have single manufacturer's Serial Number (Y/N)?	Is Equipment Required to be Affixed to Immovable Property to Function (Y/N)?
				Side discharge spreaders provide excellent material breakup and have the widest spread pattern and provide the finest and thinnest application of wet manure.		35,000 - 60,000	Not applicable	Agriculture	yes	yes	no
24	8433 - Harvesting or Threshing Machinery, including Straw or Fodder Balers; Grass or Hay Mowers; Machines for Cleaning, Sorting or Grading Eggs, Fruit or other Agricultural Produce; Other than Machinery of Heading 8437		843340 - Straw or fodder balers, including pick-up balers	Straw or Fodder Balers.		150,000 - 800,000	1,201,955,594	Agriculture	yes	yes	no
25	8433 - Harvesting or Threshing Machinery, including Straw or Fodder Balers; Grass or Hay Mowers; Machines for Cleaning, Sorting or Grading Eggs, Fruit or other Agricultural Produce; Other than Machinery of Heading 8437		843351 -- Combine harvester-threshers	Combine Harvester or Thresher.		300,000 - 1,000,000	4,169,850,047	Agriculture	yes	yes	no
26	8436 - Other agricultural, horticultural, forestry, poultry-keeping or bee-keeping machinery, including germination plant fitted with mechanical or thermal equipment, poultry incubators and brooders		843680 -- Other machinery	It includes i) an agricultural tractor with a readily-removable wood harvester unit; ii) a tree harvesting machine is a tracked excavator-like propelling base which is specifically designed to be used with a variety of harvesting heads for the first thinning of trees; and iii) a wood chipper designed to chip branches and cuttings from trees and shrubs.		97,000 - 717,000	2,461,901,653	Agriculture	yes	yes	no
27	8474 - Machinery for sorting, screening, separating, washing, crushing, grinding, mixing or kneading earth, stone, ores or other mineral substances, in solid (including powder or paste) form; machinery for agglomerating, shaping or moulding solid mineral fuels, ceramic paste, unhardened cements, plastering materials or other mineral products in powder or paste form; machines for forming foundry molds of sand	Mixing or kneading machines	847431 -- Concrete or mortar mixers	Machinery of this type is used, mainly in the extractive industries, for the treatment (mixing) of solid mineral products.			1,335,590,858	Construction and Mining	yes	yes	more information required

LIST OF HS CODES DEEMED SUITABLE FOR INCLUSION IN THE ANNEXES TO THE MAC PROTOCOL - LAST UPDATED SEPTEMBER 2017											
No.	4 Digit HS Code and Name	Additional sub-grouping	6 Digit HS Code and Name	Examples	Images	Approximate Range of List Prices for New Equipment (\$USD)	Comtrade Statistics (\$USD)	Category	Is Equipment Separately Financed or Leased (Y/N)?	Does Equipment have single manufacturer's Serial Number (Y/N)?	Is Equipment Required to be Affixed to Immovable Property to Function (Y/N)?
28	8474 - Machinery for sorting, screening, separating, washing, crushing, grinding, mixing or kneading earth, stone, ores or other mineral substances, in solid (including powder or paste) form; machinery for agglomerating, shaping or molding solid mineral fuels, ceramic paste, unhardened cements, plastering materials or other mineral products in powder or paste form; machines for forming foundry molds of sand	Mixing or kneading machines	847432 -- Machines for mixing mineral substances with bitumen	Machinery of this type is used, mainly in the extractive industries, for the treatment (mixing) of solid mineral products.		654,705,889	Construction	yes	yes	more information required	
29	8479 - Machines and mechanical appliances having individual functions, not specified or included elsewhere in this Chapter	Other machines and mechanical appliances	847982 - Mixing, kneading, crushing, grinding, screening, sifting, homogenizing, emulsifying or stirring machines	Machinery of this type has individual function it has been designed for, which can only be performed distinctly from and independently of any other machine or appliance.	50,000 - 5,000,000	4,365,852,347	Construction	yes	yes	more information required	
30	8479 - Machines and mechanical appliances having individual functions, not specified or included elsewhere in this Chapter		847910 -- Machinery for public works, building or the like	i) Power trowels to float and finish concrete; ii) concrete finishing machines; and iii) ice breakers designed to remove dangerous ice sheets which can form on road surfaces.	Concrete paver: 	160,000 - 550,000	2,707,854,095	Construction	yes	yes	no
	CHAPTER 87 - Vehicles other than railway or tramway rolling stock, and parts and accessories thereof										
31	8701 - Tractors (other than tractors of heading 8709)		870130 -- Track-laying tractors	Tractors propelled using a track-laying mechanism (i.e. continuous band of treads driven by two or more wheels).	Track-laying tractor: 	125,000 - 1,700,000	1,387,998,730	Agriculture, Construction and Mining	yes	yes	no
				Half Track Type Tractors generally used for reclaiming barren lands.		260,000	Not applicable	Agriculture and Construction	yes	yes	no

LIST OF HS CODES DEEMED SUITABLE FOR INCLUSION IN THE ANNEXES TO THE MAC PROTOCOL - LAST UPDATED SEPTEMBER 2017											
No.	4 Digit HS Code and Name	Additional sub-grouping	6 Digit HS Code and Name	Examples	Images	Approximate Range of List Prices for New Equipment (\$USD)	Comtrade Statistics (\$USD)	Category	Is Equipment Separately Financed or Leased (Y/N)?	Does Equipment have single manufacturer's Serial Number (Y/N)?	Is Equipment Required to be Affixed to Immovable Property to Function (Y/N)?
32	8701 - Tractors (other than tractors of heading 8709)		870190 -- Other	i) agricultural tractors, ii) log skidders which are wheeled tractors with front-mounted dozers and either a rear-mounted grapple or a cable winch; and iii) forestry machinery such as feller bunchers, material handlers, skidders, a delimber, harvesters, a log forwarder, felling heads, a mulcher and a street trencher.	Log skidder: 	300,000 - 600,000 (Harvesters)	20,916,821,413	Agriculture and Construction	yes	yes	no
				Four wheeled tractors.		200,000 - 900,000 (Tractors)	Not applicable	Agriculture and Construction	yes	yes	no
33	8704 - Motor vehicles for the transport of goods		870410 -- Dumpers designed for off-highway use	Off-highway dump trucks that are used strictly off-road for mining and heavy dirt hauling jobs.	Off-highway dumpers: 	700,000 - 7,000,000	5,856,336,815	Construction and Mining	yes	yes	no
34	8705 - Special purpose motor vehicles, other than those principally designed for the transport of persons or goods (for example, breakdown lorries, crane lorries, fire fighting vehicles, concrete-mixer lorries, road sweeper lorries, spraying lorries, mobile workshops, mobile radiological units)		870510 - Crane Lorries	It includes i) a mobile crane that is a cable-controlled crane mounted on crawlers or rubber-tired carriers or ii) a hydraulic-powered crane with a telescoping boom mounted on truck-type carriers or as self-propelled models.	Mobile crane: 	115,000 - 2,200,000	4,345,227,874	Construction	yes	yes	no
35	8705 - Special purpose motor vehicles, other than those principally designed for the transport of persons or goods (for example, breakdown lorries, crane lorries, fire fighting vehicles, concrete-mixer lorries, road sweeper lorries, spraying lorries, mobi		870540 - Concrete-mixer lorries	Includes Motor breakdown lorries, Motor pump vehicles, Lorries fitted with ladders or elevator platform, Lorries used for cleansing streetset, etc..		75,000 - 200,000	1,077,781,189	Construction	yes	yes	no
36	8716 - Trailers and semi-trailers; other vehicles, not mechanically propelled; parts thereof		871620 - Self-loading or self-unloading trailers and semi-trailers for agricultural purposes	Includes Self-loading agricultural trailers fitted with automatic loading devices.		80,000 - 300,000	760,282,145	Agriculture, Construction and Mining	yes	yes	no

LIST OF HS CODES DEEMED UNSUITABLE FOR INCLUSION IN THE ANNEXES TO THE MAC PROTOCOL - LAST UPDATED SEPTEMBER 2017												
No.	4 Digit HS Code and Name	Additional sub-grouping	6 Digit HS Code and Name	Examples	Images	Approximate Range of List Prices for New Equipment (\$USD)	Comtrade Statistics (\$USD)	Category	Is Equipment Separately Financed or Leased (Y/N)?	Does Equipment have single manufacturer's Serial Number (Y/N)?	Is Equipment Required to be Affixed to Immovable Property to Function (Y/N)?	Comments
CHAPTER 82 - tools, implements, cutlery, spoons and forks, of base metal; parts thereof of base metal												
1	8207 - Interchangeable tools for hand tools, whether or not power-operated, or for machine tools (for example, for pressing, stamping, punching, tapping, threading, drilling, boring, broaching, milling, turning or screw driving), including dies for drawing or extruding metal, and rock drilling or earth boring tools	Rock drilling or earth boring tools, and parts thereof	820719 - Other, including parts	Parts of rock drills and earth boring tools.	Part of earth boring machine: 		3,030,359,676	Construction and Mining	no			• This code covers low value parts which may not be individually serialised. • The Explanatory Notes to Chapter 82.07 notes that 'this heading covers an important group of tools which are unsuitable for use independently, but are designed to be fitted [into other types of equipment].'
CHAPTER 84 - Nuclear reactors, boilers, machinery and mechanical appliances; parts thereof												
2	8407 - Spark-ignition reciprocating or rotary internal combustion piston engines	Reciprocating piston engines of a kind used for the propulsion of vehicles of chapter 87	840731 -- Of a cylinder capacity not exceeding 50 cc	Includes engines that may be used in the manufacture of other machines (e.g. motorized scooters).	Piston engine: 		46,170,489	Agriculture, Construction and Mining	no			• This code covers predominantly low value equipment. • This code covers equipment commonly used outside the MAC industries.
3	8407 - Spark-ignition reciprocating or rotary internal combustion piston engines	Reciprocating piston engines of a kind used for the propulsion of vehicles of chapter 87	840732 -- Of a cylinder capacity exceeding 50cc but not exceeding 250 cc	Same as above but higher capacity.	ATV engine: 		695,289,685	Agriculture, Construction and Mining	no			• This code covers predominantly low value equipment. • This code covers equipment commonly used outside the MAC industries.
4	8407 - Spark-ignition reciprocating or rotary internal combustion piston engines	Reciprocating piston engines of a kind used for the propulsion of vehicles of chapter 87	840733 -- Of a cylinder capacity exceeding 250cc but not exceeding 1,000 cc	Same as above but higher capacity.	Arctic cat engine: 		1,573,063,215	Agriculture, Construction and Mining	no			• This code covers predominantly low value equipment. • This code covers equipment commonly used outside the MAC industries.
5	8407 - Spark-ignition reciprocating or rotary internal combustion piston engines	Reciprocating piston engines of a kind used for the propulsion of vehicles of chapter 87	840734 - of a cylinder capacity exceeding 1,000cc	Same as above but higher capacity.			33,627,440,000	Agriculture, Construction and Mining	no			• This code covers equipment commonly used outside the MAC industries.
6	8407 - Spark-ignition reciprocating or rotary internal combustion piston engines		840790 -- Other engines	Other engines that may be installed in agricultural and horticultural machinery.	Horticultural machine engine: 		3,449,970,308	Agriculture, Construction and Mining				• This code covers equipment commonly used outside the MAC industries.

LIST OF HS CODES DEEMED UNSUITABLE FOR INCLUSION IN THE ANNEXES TO THE MAC PROTOCOL - LAST UPDATED SEPTEMBER 2017												
No.	4 Digit HS Code and Name	Additional sub-grouping	6 Digit HS Code and Name	Examples	Images	Approximate Range of List Prices for New Equipment (\$USD)	Comtrade Statistics (\$USD)	Category	Is Equipment Separately Financed or Leased (Y/N)?	Does Equipment have single manufacturer's Serial Number (Y/N)?	Is Equipment Required to be Affixed to Immovable Property to Function (Y/N)?	Comments
7	8408 - Compression-ignition internal combustion piston engines (diesel or semi-diesel engines)		840810 -- Marine propulsion engines	Marine propulsion engines that power vessels.	CAT marine propulsion engine: 	4,305,072,586		Agriculture, Construction and Mining	yes		no	• This code covers equipment commonly used outside the MAC industries.
8	8408 - Compression-ignition internal combustion piston engines (diesel or semi-diesel engines)		840820 -- Engines of a kind used for the propulsion of vehicles of chapter 87 (Tractors and other vehicles):	Includes engines that may be power tractors suitable for agricultural use.	Tractor engine: 	35,404,810,042		Agriculture, Construction and Mining	yes		no	• This code covers equipment commonly used outside the MAC industries.
9	8408 - Compression-ignition internal combustion piston engines (diesel or semi-diesel engines)		840890 -- Other engines	Includes engines other than those utilized to power vessels and agricultural/horticultural machinery under the preceding two codes.	Mining equipment engine: 	14,751,315,148		Agriculture, Construction and Mining	yes		no	• This code covers equipment commonly used outside the MAC industries.
10	8409 - Parts suitable for use solely or principally with the engines of heading 84.07 or 84.08	Other	840991 -- Suitable for use solely or principally with spark-ignition internal combustion piston engines	Includes spark ignition engines that may be used to power vessels, vehicles and machinery.	Rotary engine parts: 	32,227,204,501		Agriculture, Construction and Mining				• This code covers low value parts which may not be individually serialised. • This HS code covers parts to engines commonly used outside the MAC industries.
11	8409 - Parts suitable for use solely or principally with the engines of heading 84.07 or 84.08	Other	8409991 -- Other	Includes engines that may be used to power construction machinery.	Construction machinery engine: 	36,328,672,521		Agriculture, Construction and Mining	yes		no	• This code covers low value parts which may not be individually serialised. • This HS code covers parts to engines commonly used outside the MAC industries.
12	8411 - Turbo-jets, turbo propellers and other gas turbines	Other gas turbines	841181 -- Other gas turbines - Of a power not exceeding 5000kW			2,141,352,311		Agriculture, Construction and Mining				• This code covers equipment commonly used outside the MAC industries.
13	8411 - Turbo-jets, turbo propellers and other gas turbines	Other gas turbines	841182 - Other gas turbines - Of a power exceeding 5000kW			7,961,500,039		Agriculture, Construction and Mining				• This code covers equipment commonly used outside the MAC industries.

LIST OF HS CODES DEEMED UNSUITABLE FOR INCLUSION IN THE ANNEXES TO THE MAC PROTOCOL - LAST UPDATED SEPTEMBER 2017												
No.	4 Digit HS Code and Name	Additional sub-grouping	6 Digit HS Code and Name	Examples	Images	Approximate Range of List Prices for New Equipment (\$USD)	Comtrade Statistics (\$USD)	Category	Is Equipment Separately Financed or Leased (Y/N)?	Does Equipment have single manufacturer's Serial Number (Y/N)?	Is Equipment Required to be Affixed to Immovable Property to Function (Y/N)?	Comments
14	8412 - Other engines and motors	Hydraulic power engines and motors	841221 -- Linear acting (cylinders)	Includes engines that may be used to provide the force to operate the control valves of a steam turbine.	Steam turbine engine: 	4,939,531,204		Agriculture, Construction and Mining				• This code covers equipment commonly used outside the MAC industries.
15	8412 - Other engines and motors	Hydraulic power engines and motors	841229 -- Other	Includes hydrojets (thrusters) that are basically high capacity pumps which draw water into through a special intake, and discharge it at enhanced pressure through a steerable nozzle. They are fast becoming an alternative means of vessel propulsion.	Industrial high capacity pump: 	3,867,468,302		Agriculture, Construction and Mining				• This code covers equipment commonly used outside the MAC industries.
16	8412 - Other engines and motors	Pneumatic power engines and motors	841231 -- Linear acting (cylinders)	Engines that may be used for a wide range of mechanical applications, including machine tools, hoists and davits, farm machinery, construction equipment, robotics, and other industrial machines.	Air car engine: 	1,747,444,348		Agriculture, Construction and Mining	yes		no	• This code covers equipment commonly used outside the MAC industries.
17	8412 - Other engines and motors	Pneumatic power engines and motors	841239 -- Other	Engines that include air driven motors used to start an engine on a dump truck.	Air-powered motor: 	756,180,847		Agriculture, Construction and Mining	yes		no	• This code covers equipment commonly used outside the MAC industries.
18	8412 - Other engines and motors		841280 -- Other	Engines, including a spring-operated mechanism, which is part of an operating mechanism incorporating several components for use with a high voltage circuit breaker (the spring-operated mechanism is the only part of the operating mechanism at issue herein).	Spring-operated brake: 	862,251,143		Agriculture, Construction and Mining	no			• This code covers equipment commonly used outside the MAC industries. • This code covers predominantly low value equipment.
19	8412 - Other engines and motors		841290 -- Parts	Parts of engines, including stainless steel distance sleeves that are used in marine propulsion systems.	Distance sleeves: 	6,996,144,163		Agriculture, Construction and Mining	no			• This code covers low value parts which may not be individually serialised. • This code covers parts commonly used in equipment outside the MAC industries.

LIST OF HS CODES DEEMED UNSUITABLE FOR INCLUSION IN THE ANNEXES TO THE MAC PROTOCOL - LAST UPDATED SEPTEMBER 2017												
No.	4 Digit HS Code and Name	Additional sub-grouping	6 Digit HS Code and Name	Examples	Images	Approximate Range of List Prices for New Equipment (\$USD)	Comtrade Statistics (\$USD)	Category	Is Equipment Separately Financed or Leased (Y/N)?	Does Equipment have single manufacturer's Serial Number (Y/N)?	Is Equipment Required to be Affixed to Immovable Property to Function (Y/N)?	Comments
20	8413 - Pumps for liquids, whether or not fitted with a measuring device; liquid elevators		841330 -- Fuel, lubricating or cooling medium pumps for internal combustion piston engines	Pumps, including i) components of the fuel delivery system for a fuel-injected diesel internal combustion engine, and ii) a high pressure fuel pump for use with fuel injected engines of the type used in small unmanned aircraft and are designed to be fitted to small internal combustion engines.	High pressure fuel pump: 	13,355,833,381		Agriculture, Construction and Mining	no			• This HS code covers accessions which are commonly used outside the MAC industries.
21	8413 - Pumps for liquids, whether or not fitted with a measuring device; liquid elevators		841350 - Other reciprocating positive displacement pumps	Includes a sucker pump used for pumping the stratum liquid out of an oil well.	Reciprocating positive displacement pump: 	7,398,707,630		Agriculture, Construction and Mining				• This code covers predominantly low value equipment. • This code covers equipment commonly used outside the MAC industries.
22	8413 - Pumps for liquids, whether or not fitted with a measuring device; liquid elevators		841360 -- Other rotary positive displacement pumps	Includes water pumps that are used to provide cooling circulation for the hydraulic pumps. Electric motors are used to provide power to the pumps.	Positive displacement rotary pump: 	6,362,930,227		Agriculture, Construction and Mining	no			• This code covers predominantly low value equipment. • This code covers equipment commonly used outside the MAC industries.
23	8413 - Pumps for liquids, whether or not fitted with a measuring device; liquid elevators		841370 -- Other centrifugal pumps	Any pump, machinery or appliance utilized for raising or otherwise continuously displacing and transferring volumes of liquids. They can either be operated manually or via any kind of power unit, integral or otherwise.		14,871,955,315		Mining	no			• This code covers predominantly low value equipment. • This code covers equipment commonly used outside the MAC industries.
24	8413 - Pumps for liquids, whether or not fitted with a measuring device; liquid elevators	Parts	841391 -- Of pumps	Parts of Pumps, including those that primary function is to provide reinforcement in the master cylinder of an automobile's brake booster.	Pump part: 	16,295,309,667		Agriculture, Construction and Mining	no			• This code covers low value parts which may not be individually serialised. • This code covers parts commonly used in equipment outside the MAC industries.
25	8414 - Air or vacuum pumps or other gas compressors and fans; ventilating or recycling hoods incorporating a fan, whether or not fitted with filters	Fans	841459 -- Other	Fans, including heater blowers and heater cores that may be used to distribute heat throughout the vehicle's passenger compartment in the form of heated air.	Tractor fan: 	9,512,447,025		Agriculture, Construction and Mining	no			• This code covers predominantly low value equipment. • This code covers equipment commonly used outside the MAC industries.

LIST OF HS CODES DEEMED UNSUITABLE FOR INCLUSION IN THE ANNEXES TO THE MAC PROTOCOL - LAST UPDATED SEPTEMBER 2017												
No.	4 Digit HS Code and Name	Additional sub-grouping	6 Digit HS Code and Name	Examples	Images	Approximate Range of List Prices for New Equipment (\$USD)	Comtrade Statistics (\$USD)	Category	Is Equipment Separately Financed or Leased (Y/N)?	Does Equipment have single manufacturer's Serial Number (Y/N)?	Is Equipment Required to be Affixed to Immovable Property to Function (Y/N)?	Comments
26	8427 - Fork-lift trucks; other works trucks fitted with lifting or handling equipment		842710 -- Self-propelled trucks powered by an electric motor	It includes i) forklift trucks that consist of a four-wheeled chassis with a front mounted mast assembly to which the forks are attached and ii) automated guided vehicles (AGVs) capable of holding articles weighing up to 3 tons and incorporate lift tables.	Forklift truck: 	6,587,108,594		Agriculture, Construction and Mining	yes		no	• This code covers equipment commonly used outside the MAC industries. • This code does not cover parts (parts for 8425-8430 are covered by 8431).
27	8427 - Fork-lift trucks; other works trucks fitted with lifting or handling equipment		842720 -- Other self-propelled trucks	It includes i) a wheeled, self-propelled lifting platform generally used to raise and lower produce in a harvesting operation and ii) hydraulic power unit designed to lift the tongue of a trailer from a towing vehicle, usually a heavy-duty pick-up truck, and move the trailer as a portable unit to a parking location.	Hydraulic power unit: 	8,716,572,722		Agriculture and Construction				• This code covers equipment commonly used outside the MAC industries. • This code does not cover parts (parts for 8425-8430 are covered by 8431).
28	8427 - Fork-lift trucks; other works trucks fitted with lifting or handling equipment		842790 -- Other trucks	It includes i) pallet trucks that are used to lift and transport palletized loads weighing up to 5000 pounds and ii) mini lifter/skip hoist that can be used in a variety of general purpose lifting and short distance transport activities.	Pallet truck: 	995,701,803		Agriculture and Construction	yes		no	• This code covers equipment commonly used outside the MAC industries. • This code does not cover parts (parts for 8425-8430 are covered by 8431).
29	8428 - Other lifting, handling, loading or unloading machinery (for example, lifts, escalators, conveyors, teleferics)		842890 -- Other Machinery	Includes i) woodland log handling equipment and ii) a pallet lift which handles the vertical transportation of pallets into and out of the warehouse; and retrieving pallets from the various levels as required.	Conveyor system: 	9,969,446,182		Agriculture, Construction and Mining				• This code covers equipment commonly used outside the MAC industries. • This HS code does not cover parts (parts for machinery 8425-8430 are covered by 8431).
30	8430 - Other moving, grading, levelling, scraping, excavating, tamping, compacting, extracting or boring machinery, for earth, minerals or ores; pile-drivers and pile-excavators; snow ploughs and snow-blowers		843020 -- Snowplows and snowblowers	Includes snowblowers mounted on tractors.	Snowblower: 	665,455,092		Agriculture and Construction			no	• This code covers equipment commonly used outside the MAC industries. • The Explanatory notes state that Chapter 84.30 covers not only fixed machinery, but also mobile machines, whether or not self-propelled. • This HS code does not cover parts (parts for machinery 8425-8430 are covered by 8431)
31	8431 - Parts suitable for use solely or principally with the machinery of headings 84.25 to 84.30		843110 -- of machinery of heading 8425	Includes a trailer landing gear designed to be assembled onto trailers. They are composed of hot-rolled, cold-finished non-alloy steel.	Trailer landing gear: 	1,851,641,015		Agriculture and Construction				• This code covers parts for pulley tackle and hoists other than skip hoists; winches and capstans; jacks. • This code covers low value parts which may not be individually serialised. • This code covers parts commonly used in equipment outside the MAC industries.

LIST OF HS CODES DEEMED UNSUITABLE FOR INCLUSION IN THE ANNEXES TO THE MAC PROTOCOL - LAST UPDATED SEPTEMBER 2017												
No.	4 Digit HS Code and Name	Additional sub-grouping	6 Digit HS Code and Name	Examples	Images	Approximate Range of List Prices for New Equipment (\$USD)	Comtrade Statistics (\$USD)	Category	Is Equipment Separately Financed or Leased (Y/N)?	Does Equipment have single manufacturer's Serial Number (Y/N)?	Is Equipment Required to be Affixed to Immovable Property to Function (Y/N)?	Comments
32	8431 - Parts suitable for use solely or principally with the machinery of headings 84.25 to 84.30		843120 -- Of machinery of heading 8427	It includes i) a forklift set intended for use on or in conjunction with an all-terrain vehicle and ii) a pallet saver that is made of carbon steel in the shape of an inverted T, and is used to prevent damage to wood pallets.	Forklift set: 	4,842,099,586		Construction			no	• This code covers low value parts which may not be individually serialised. • This code covers parts commonly used in equipment outside the MAC industries.
33	8431 - Parts suitable for use solely or principally with the machinery of headings 84.25 to 84.30	Of machinery of heading 8428	843139 -- Other	Includes i) flight bars and E-bolts are components of armored face chain conveyors used in underground longwall mining applications and ii) items for use with roller conveyors.	Roller conveyor parts: 	8,039,237,615		Agriculture, Construction and Mining				• Covers parts for other lifting, handling, loading or unloading machinery (for example, elevators, escalators, conveyors, teleferics). • Other covers parts other than those for lifts, skips, hoists or escalators (which are covered by 843131) • This code covers low value parts which may not be individually serialised. • This code covers parts commonly used in equipment outside the MAC industries.
34	8432 - Agricultural, horticultural or forestry machinery for soil preparation or cultivation; lawn or sports-ground rollers		843290 -- Parts	It includes a i) hub that is specifically designed and marketed for installation on disc harrows, cultivators, rippers and moldboard ploughs, all of which are used in farming and agriculture and ii) two wheel and tire assemblies designed and imported in order to be installed and used on agricultural spreaders.	Agricultural spreader: 	2,898,015,550		Agriculture	no		no	• This code covers low value parts which may not be individually serialised.
35	8433 - Harvesting or threshing machinery, including straw or fodder balers; grass or hay mowers; machines for cleaning, sorting or grading eggs, fruit or other agricultural produce, other than machinery of heading 84.37	Mowers for lawns, parks or sports grounds	843311 -- Powered, with the cutting device rotating in a horizontal plane	They are always motorized in some way, powered either by gas, petrol or electrically.		3,778,131,979	2,000 - 9,000	Agriculture	no		no	• This code covers predominantly low value equipment. • This code covers equipment commonly used outside the MAC industries. • This code does not cover parts (parts for 8433 is covered by 843390).
				Riding mower (ride-on mower): Instead of walking with the machine, these mowers have a seat and the operator controls and steers the machine while riding it. Suitable for larger lawns with not too many trees or other obstacles on the lawn.				Agriculture			no	
				Tractor Lawn Mower: This machine is built as a small tractor with a mower mounted between the front and rear wheel axes. A lawn tractor can easily be equipped with e.g. carts or aerators, some even with snow plow blades, so they are more versatile than the riding mower. And usually more expensive.				Agriculture			no	

LIST OF HS CODES DEEMED UNSUITABLE FOR INCLUSION IN THE ANNEXES TO THE MAC PROTOCOL - LAST UPDATED SEPTEMBER 2017												
No.	4 Digit HS Code and Name	Additional sub-grouping	6 Digit HS Code and Name	Examples	Images	Approximate Range of List Prices for New Equipment (\$USD)	Comtrade Statistics (\$USD)	Category	Is Equipment Separately Financed or Leased (Y/N)?	Does Equipment have single manufacturer's Serial Number (Y/N)?	Is Equipment Required to be Affixed to Immovable Property to Function (Y/N)?	Comments
36	8433 - Harvesting or threshing machinery, including straw or fodder balers; grass or hay mowers; machines for cleaning, sorting or grading eggs, fruit or other agricultural produce, other than machinery of heading 84.37	Mowers for lawns, parks or sports grounds	843319 -- Other	It includes a push reel lawn mower that is constructed of steel and has two plastic wheels and two foam handle grips.	Push reel lawn mower: 	10,000 - 75,000	566,440,643	Agriculture			no	• This code covers predominantly low value equipment. • This code covers equipment commonly used outside the MAC industries. • This code does not cover parts (parts for 8433 is covered by 843390).
37	8433 - Harvesting or threshing machinery, including straw or fodder balers; grass or hay mowers; machines for cleaning, sorting or grading eggs, fruit or other agricultural produce, other than machinery of heading 84.37		843390 -- Parts	Parts for the mowers described above under heading 8433.	Grooming mower: 	0.00 - 5,000	5,385,227,013	Agriculture	no		no	• This code covers low value parts which may not be individually serialised.
38	8436 - Other agricultural, horticultural, forestry, poultry-keeping or bee-keeping machinery, including germination plant fitted with mechanical or thermal equipment, poultry incubators and brooders	Parts	843699 -- Other	It includes i) bee-keeping machinery; ii) machinery for preparing animal feeds; iii) and forestry machinery.	Food processing machinery: 		1,372,295,075	Agriculture				• This code covers low value parts which may not be individually serialised.
39	8474 - Machinery for sortings, screening, separating, washing, crushing, grinding, mixing or kneading earth, stone, ores or other mineral substances, in solid (including power or paste) form; machinery for agglomerating, shaping or molding solid mineral fuels, ceramic paste, unhardened cements, plastering materials or other mineral products in powder or paste form; machines for forming foundry molds of sand		847490 -- Parts	It includes parts for i) a machine that is used in gold plant slurry screening operations to help remove wood fibers and other foreign objects from the slurry before it goes into the leaching tanks and other refining processes and ii) a glass washing machine and a glass tempering oven of a kind mainly used in the extractive industries.	Glass washing machine: 		7,755,179,711	Construction and Mining				• This code covers low value parts which may not be individually serialised.
40	8479 - Machines and mechanical appliances having individual functions, not specified or included elsewhere in this Chapter	Other machines and mechanical appliances	847989 -- Other	It includes i) dehumidifiers used in applications such as water damage restoration and humidity control and are said to be ideal for industrial drying applications; ii) floor polishers designed for commercial use in locations such as hospitals/healthcare facilities; iii) trash compactors for industrial use that compact trash; and iv) floor sweepers for industrial use.	Trash compactor: 		38,019,250,166	Construction and Mining				• This code covers equipment commonly used outside the MAC industries. • This code does not cover parts (parts for 8479 is covered by 847990).

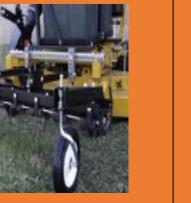
LIST OF HS CODES DEEMED UNSUITABLE FOR INCLUSION IN THE ANNEXES TO THE MAC PROTOCOL - LAST UPDATED SEPTEMBER 2017												
No.	4 Digit HS Code and Name	Additional sub-grouping	6 Digit HS Code and Name	Examples	Images	Approximate Range of List Prices for New Equipment (\$USD)	Comtrade Statistics (\$USD)	Category	Is Equipment Separately Financed or Leased (Y/N)?	Does Equipment have single manufacturer's Serial Number (Y/N)?	Is Equipment Required to be Affixed to Immovable Property to Function (Y/N)?	Comments
41	8479 - Machines and mechanical appliances having individual functions, not specified or included elsewhere in this Chapter		847990 -- Parts	It includes parts related to i) submersible remote operated vehicle (ROV) used in the oil and gas industry to facilitate deepwater repairs on their facilities and ii) fan guards generally attached to the exterior of electromechanical machines with a self-contained motor and fan and are designed to match the sizes of the standard fans used in various appliances/machines and ii) aluminum sunshade blades that may be mounted or welded to the building.	ROV: 	19,668,477,794		Construction and Mining				• This code covers low value parts which may not be individually serialised. • This code covers parts commonly used in equipment outside the MAC industries.
42	8483 - Transmission shafts (including cam shafts and crank shafts) and cranks; bearing housings and plain shaft bearings; gears and gearing; ball or roller screws; gear boxes and other speed changers, including torque converters; flywheels and pulleys, including pulley blocks; clutches and shaft couplings (including universal joints)		848310 -- Transmission shafts (including camshafts and crankshafts) and cranks	Includes a i) transmission shaft which is a rotating shaft that transmits rotary motion from the engine to the differential; ii) spark plugs and crankshafts for internal combustion engines for motorcycles; and iii) crankshafts used to power chainsaws.	Transmission shaft: 	10,081,944,600		Agriculture	no		no	• This code covers predominantly low value equipment. • This code covers equipment commonly used outside the MAC industries.
CHAPTER 85 - Electrical Machinery and equipment and parts thereof; sounds recorders and reproducers, television image and sound recorders and reproducers, and parts and accessories of such articles												
43	8501 - Electric motors and generators (excluding generating sets)	AC generators (alternators)	850161 -- Of an output not exceeding 75 kVA	It includes i) generators and motors for AC units; ii) alternators used in motor vehicles; iii) fuel cell generators which are inverters used to produce AC power.	AC single phase alternator: 	965,797,220		Agriculture, Construction and Mining				• This code covers predominantly low value equipment. • This code covers equipment commonly used outside the MAC industries.
44	8501 - Electric motors and generators (excluding generating sets)	AC generators (alternators)	850162 -- Of an output exceeding 75 kVA but not exceeding 375 kVA	It includes i) electric generators that include a rotor which is turned by a mechanical device like an internal combustion engine, or steam or water turbines and ii) a cell power plant makes use of a fuel processor to extract hydrogen from natural gas.	AC generator – 250 kVA: 	675,619,523		Agriculture, Construction and Mining				• This code covers predominantly low value equipment. • This code covers equipment commonly used outside the MAC industries.
45	8501 - Electric motors and generators (excluding generating sets)	AC generators (alternators)	850163 -- Of an output exceeding 375 kVA but not exceeding 750 kVA	Same as above but higher capacity.	AC generator – 500kVA: 	322,381,054		Agriculture, Construction and Mining				• This code covers predominantly low value equipment. • This code covers equipment commonly used outside the MAC industries.
46	8501 - Electric motors and generators (excluding generating sets)	AC generators (alternators)	850164 -- Of an output exceeding 750kVA	Same as above but higher capacity.	AC generator – 1000kVA: 	3,779,898,805		Agriculture, Construction and Mining				• This code covers equipment commonly used outside the MAC industries.
47	8502 - Electric generating sets and rotary converters	Generating sets with compression-ignition internal combustion piston engines(diesel or semi-diesel engines)	850211 -- Of an output not exceeding 75 kVA	It includes power generating sets that may be installed underneath a truck frame between the truck cab and trailer and is fueled by the truck's fuel tank.	Diesel generating set – 50kVA: 	2,216,068,325		Agriculture, Construction and Mining				• This code covers predominantly low value equipment. • This code covers equipment commonly used outside the MAC industries.

LIST OF HS CODES DEEMED UNSUITABLE FOR INCLUSION IN THE ANNEXES TO THE MAC PROTOCOL - LAST UPDATED SEPTEMBER 2017												
No.	4 Digit HS Code and Name	Additional sub-grouping	6 Digit HS Code and Name	Examples	Images	Approximate Range of List Prices for New Equipment (\$USD)	Comtrade Statistics (\$USD)	Category	Is Equipment Separately Financed or Leased (Y/N)?	Does Equipment have single manufacturer's Serial Number (Y/N)?	Is Equipment Required to be Affixed to Immovable Property to Function (Y/N)?	Comments
48	8502 - Electric generating sets and rotary converters	Generating sets with compression-ignition internal combustion piston engines(diesel or semi-diesel engines)	850212 -- Of an output exceeding 75 kVA but not exceeding 375 kVA	Same as above but higher capacity.	Diesel generating set – 150 kVa: 	1,792,201,111		Agriculture, Construction and Mining				• This code covers predominantly low value equipment. • This code covers equipment commonly used outside the MAC industries.
49	8502 - Electric generating sets and rotary converters	Generating sets with compression-ignition internal combustion piston engines(diesel or semi-diesel engines)	850213 -- Of an output exceeding 375kVA	Same as above but higher capacity.	Diesel generating set: 	6,039,781,626		Agriculture, Construction and Mining				• This code covers equipment commonly used outside the MAC industries.
50	8502 - Electric generating sets and rotary converters	850220 -- Generating sets with spark-ignition internal combustion piston engines	It includes i) a portable generator for consumer use to supply electrical power and ii) a heat recovery system to the generator set that may be attached to a heat recovery system to produce heat that is captured and used to heat water.	Portable generator: 		4,306,066,129		Agriculture, Construction and Mining				• This code covers predominantly low value equipment. • This code covers equipment commonly used outside the MAC industries.
51	8503 - Parts suitable for use solely or principally with the machines of heading 85.01 or 85.02		850300 -- Parts suitable for use solely or principally with the machines of heading 8501			19,079,306,988		Agriculture, Construction and Mining				• This code covers low value parts which may not be individually serialised. • This code covers parts commonly used in equipment outside the MAC industries.
52	8526 - Radar apparatus, radio navigational aid apparatus and radio remote control appliances	Other	852691 - Radio navigational aid apparatus					Agriculture, Construction and Mining	no		no	• This code covers predominantly low value equipment. • This code covers equipment commonly used outside the MAC industries.
53	8544 - Insulated (including enameled or anodized) wire, cable, (including co-axial cable) and other insulated electric conductors, whether or not fitted with connectors; optical fiber cables, made up of individually sheathed fibers, whether or not assembled with electric conductors or fitted with connectors.	Other Electrical Conductors for a voltage not exceeding 1000V	854449 -- Other	It includes i) telecommunications cables used with computers and computer equipment to allow for the transfer/communication of information/data and ii) insulated electric cable, used in fire or security alarm applications.	Insulated electric cable: 	28,221,366,064		Agriculture, Construction and Mining				• This code covers predominantly low value equipment which may not be individually serialised. • This code covers equipment commonly used outside the MAC industries.
CHAPTER 87 - Vehicles other than railway or tramway rolling stock, and parts and accessories thereof												
54	8706 - Chassis fitted with engines, for the motor vehicles of headings 8701 to 8705		870600 -- Chassis fitted with engines, for the motor vehicles of headings 8701 to 8705	It includes dump carriers that can be used to haul materials such as earth, gravel, concrete, etc.	Chassis: 	3,383,698,113		Agriculture and Construction				• This code covers equipment commonly used outside the MAC industries.

LIST OF HS CODES DEEMED UNSUITABLE FOR INCLUSION IN THE ANNEXES TO THE MAC PROTOCOL - LAST UPDATED SEPTEMBER 2017												
No.	4 Digit HS Code and Name	Additional sub-grouping	6 Digit HS Code and Name	Examples	Images	Approximate Range of List Prices for New Equipment (\$USD)	Comtrade Statistics (\$USD)	Category	Is Equipment Separately Financed or Leased (Y/N)?	Does Equipment have single manufacturer's Serial Number (Y/N)?	Is Equipment Required to be Affixed to Immovable Property to Function (Y/N)?	Comments
55	8707 - Bodies (including cabs), for the motor vehicles of headings 87.01 to 87.05		870790 - Other	It includes i) a sleeper cab shell that is essentially the sleeper cab structure with cutouts made for the windows, door, speakers, etc. and ii) mobile horseboxes built to house persons and horses when attached to an automotive cab and chassis.	Tractor cabin: 	4,727,041,008		Agriculture and Construction				• This code covers equipment commonly used outside the MAC industries.
56	8708 - Parts and accessories of the motor vehicles of headings 87.01 to 87.05		870850 -- Drive-axes with differential, whether or not provided with other transmission components, and non-driving axles; parts thereof	It includes i) steel carrier assemblies used in the geared, electric drive system of off-highway dump trucks; ii) a differential that is used with four wheel drive (4 x 4) All Terrain Vehicles (ATV) (Outlander and Renegade) and Side by Side Vehicles (Commander) to constantly monitor wheel speed; and iii) a lift axle assembly used on a heavy duty truck as a steerable, air lift, non-driving axle.	Drive axle with differential: 	22,328,807,506		Agriculture, Construction and Mining	no			• This code covers low value parts which may not be individually serialised. • This code covers parts commonly used in equipment outside the MAC industries.
57	8708 - Parts and accessories of the motor vehicles of headings 87.01 to 87.05		870870 -- Road wheels and parts and accessories thereof	It includes i) wheels for undercarriages of tractors that acting as contact points and guides, help to distribute the machine weight evenly across the ground through the tracks; ii) wheel rims used on a railcar mover not designed for public road use but will be used to move the rail car off road while at the job site; and iii) wheel hub and spoke wheel assemblies used on road tractors for semi-trailers.	Road wheels: 	18,590,067,120		Agriculture, Construction and Mining	no			• This code covers low value parts which may not be individually serialised. • This code covers parts commonly used in equipment outside the MAC industries.

LIST OF HS CODES DEEMED UNSUITABLE FOR INCLUSION IN THE ANNEXES TO THE MAC PROTOCOL - LAST UPDATED SEPTEMBER 2017												
No.	4 Digit HS Code and Name	Additional sub-grouping	6 Digit HS Code and Name	Examples	Images	Approximate Range of List Prices for New Equipment (\$USD)	Comtrade Statistics (\$USD)	Category	Is Equipment Separately Financed or Leased (Y/N)?	Does Equipment have single manufacturer's Serial Number (Y/N)?	Is Equipment Required to be Affixed to Immovable Property to Function (Y/N)?	Comments
Codes originally classified in Tier 2 by the Study Group												
CHAPTER 84 - Nuclear reactors, boilers, machinery and mechanical appliances; parts thereof												
58	8413 - Pumps for liquids, whether or not fitted with a measuring device; liquid elevators		841340 -- Concrete Pumps	Includes the concrete pumps below:	Truck Boom Pumps: 	568,363,361		Construction and Mining				• This code covers predominantly low value equipment.
				Truck: Truck-Mounted Line Pumps: Truck-mounted line pumps.				Construction and Mining	yes	yes	no	
				Truck-Mounted Conveyors: Machine such as a chassis mounted concrete pump with a conveyor used to pump concrete through pipes for the construction industry.				Construction and Mining	yes	yes	no	
59	8426 - Ships' derricks; cranes, including cable cranes; mobile lifting frames, straddle carriers and works trucks fitted with a crane		842620 -- Tower Cranes	The tower crane is a fixed crane that is mounted on-site. It is a vertical metallic structure having a horizontal boom that can turn over an angle up to 360°.	Tower crane: 	1,596,286,425		Construction	yes	no	yes	• This code covers equipment that is not individually serialised.
60	8426 - Ships' derricks; cranes, including cable cranes; mobile lifting frames, straddle carriers and works trucks fitted with a crane	Other machinery	842699 -- Other	Includes i) the space saver crane is a shop crane, made of steel, capable of lifting up to two tons by means of a hydraulic lifting cylinder and ii) mobile cranes that will operate on tracks within a shipyard and will be used to lift heavy objects.	Hydraulic truck crane (check if applicable): 	814,403,638		Construction	yes	yes	no	• This code covers equipment commonly used outside the MAC industries. • This code does not cover parts (parts for machinery 8425-8430 are covered by 8431).
61	8429 - Self-propelled bulldozers, angledozers, graders, levelers, scrapers, mechanical shovels, excavators, shovel loaders, tamping machines and road rollers		842940 -- Tamping machines and road rollers	A tamping machine or ballast tamper is a machine used to pack (or tamp) the track ballast under railway tracks to make the tracks more durable. A road roller (sometimes called a roller-compactor, or just roller) is a compactor type engineering vehicle used to compact soil, gravel, concrete, or asphalt in the construction of roads and foundations, similar rollers are used also at landfills or in agriculture.	Tamping machine: 	2,058,615,491		Agriculture, Construction and Mining	yes	yes	no	• This code was excluded by the Study Group because tamping machines are likely to be registerable under the Luxembourg Rail Protocol. • This code does not cover parts (parts for machinery 8425-8430 are covered by 8431).

LIST OF HS CODES DEEMED UNSUITABLE FOR INCLUSION IN THE ANNEXES TO THE MAC PROTOCOL - LAST UPDATED SEPTEMBER 2017												
No.	4 Digit HS Code and Name	Additional sub-grouping	6 Digit HS Code and Name	Examples	Images	Approximate Range of List Prices for New Equipment (\$USD)	Comtrade Statistics (\$USD)	Category	Is Equipment Separately Financed or Leased (Y/N)?	Does Equipment have single manufacturer's Serial Number (Y/N)?	Is Equipment Required to be Affixed to Immovable Property to Function (Y/N)?	Comments
62	8431 - Parts suitable for use solely or principally with the machinery of headings 84.25 to 84.30	Of machinery of heading 8426 [e.g. Ship's derricks, cranes, etc.], 8429 [e.g. Self-propelled bulldozers, angledozers, graders, etc.] or 8430 [e.g. Other moving, grading, leveling, etc.]:	843141 -- Buckets, shovels, grabs and grips	Includes cutterheads and buckets that may be attached to backhoes.	Bulldozer shovel: 	2,243,712,707		Agriculture, Construction and Mining	yes	no	• This code covers low value parts which may not be individually serialised. • This code covers parts commonly used in equipment outside the MAC industries.	
63	8431 - Parts suitable for use solely or principally with the machinery of headings 84.25 to 84.30	Of machinery of heading 8426 [e.g. Ship's derricks, cranes, etc.], 8429 [e.g. Self-propelled bulldozers, angledozers, graders, etc.] or 8430 [e.g. Other moving, grading, leveling, etc.]:	843142 -- Bulldozer or angledozer blades	Includes blades that belong to the class or kind that are principally used on bulldozers and angledozers.	Bulldozer blades: 	229,466,961		Agriculture, Construction and Mining	no		• This code covers low value parts which may not be individually serialised.	
64	8431 - Parts suitable for use solely or principally with the machinery of headings 84.25 to 84.30	Of machinery of heading 8426 [e.g. Ship's derricks, cranes, etc.], 8429 [e.g. Self-propelled bulldozers, angledozers, graders, etc.] or 8430 [e.g. Other moving, grading, leveling, etc.]:	843143 -- Parts for boring or sinking machinery of subheading 8430.41 or 8430.49	Includes i) drill collar bars that may be used principally on offshore drilling platforms and ii) non-magnetic drill collars that are solely or principally used on oil and gas well drilling machinery.	Drill collar bars: 	20,902,527,143		Agriculture, Construction and Mining			• This code covers low value parts which may not be individually serialised.	
65	8431 - Parts suitable for use solely or principally with the machinery of headings 84.25 to 84.30	Of machinery of heading 8426 [e.g. Ship's derricks, cranes, etc.], 8429 [e.g. Self-propelled bulldozers, angledozers, graders, etc.] or 8430 [e.g. Other moving, grading, leveling, etc.]:	843149 -- Other	Includes i) straddle carriers that are self-propelled machines used in container terminals to load, unload, stack, and transport containers over short distances and ii) jarret shock absorbers that absorb energy in order to reduce shock forces, thus protecting equipment against excessive impact loads.	Straddle carrier: 	24,697,891,394		Agriculture and Construction			• This code covers low value parts which may not be individually serialised. • This code covers parts commonly used in equipment outside the MAC industries.	

LIST OF HS CODES DEEMED UNSUITABLE FOR INCLUSION IN THE ANNEXES TO THE MAC PROTOCOL - LAST UPDATED SEPTEMBER 2017												
No.	4 Digit HS Code and Name	Additional sub-grouping	6 Digit HS Code and Name	Examples	Images	Approximate Range of List Prices for New Equipment (\$USD)	Comtrade Statistics (\$USD)	Category	Is Equipment Separately Financed or Leased (Y/N)?	Does Equipment have single manufacturer's Serial Number (Y/N)?	Is Equipment Required to be Affixed to Immovable Property to Function (Y/N)?	Comments
66	8432 - Agricultural, horticultural or forestry machinery for soil preparation or cultivation; lawn or sports-ground rollers	Harrows, scarifiers, cultivators, weeders and hoes	843229 -- Other	It includes a cultivator that may be used for breaking sod, preparing seed beds and for cultivating gardens and flower beds.	Weeder: 	30,000 - 100,000 (cultivators)	1,300,834,313	Agriculture	yes		no	• This code covers predominantly low value equipment. • This code does not cover parts (parts for 8432 is covered by 843290).
67	8432 - Agricultural, horticultural or forestry machinery for soil preparation or cultivation; lawn or sports-ground rollers		843280 -- Other machinery	It includes tow behind spreaders, aerators, and de-thatchers used in agriculture.	Dethatcher: 		1,064,251,801	Agriculture	yes		no	• This code covers predominantly low value equipment. • This code does not cover parts (parts for 8432 is covered by 843290).
68	8433 - Harvesting or threshing machinery, including straw or fodder balers; grass or hay mowers; machines for cleaning, sorting or grading eggs, fruit or other agricultural produce, other than machinery of heading 84.37		843320 -- Other mowers, including cutter bars for tractor mounting	It includes i) cutter bars for tractor mounting and ii) heavy duty mowers principally designed to cut grass, stubble and other growth.	Cutting bar for tractor mounting: 	15,000 - 35,000 (Cutter) 9,000 - 75,000 (Mowers/Mower-Conditioner)	1,334,494,359	Agriculture	yes		no	• This code covers predominantly low value equipment. • This code does not cover parts (parts for 8433 is covered by 843390).
69	8433 - Harvesting or threshing machinery, including straw or fodder balers; grass or hay mowers; machines for cleaning, sorting or grading eggs, fruit or other agricultural produce, other than machinery of heading 84.37	Other harvesting machinery; threshing machinery	843359 -- Other	It includes i) a seed drill that may be used for pasture overseeding or for use over plowed ground and ii) tree shaking harvester that applies force to dislodge the tree's produce.	Tree shaking harvester: 		1,483,220,272	Agriculture	yes		no	• This code covers predominantly low value equipment. • This code does not cover parts (parts for 8433 is covered by 843390).
70	8467 - Tools for working in the hand, pneumatic, hydraulic or with self-contained electric or non-electric motors	Pneumatic	846711 -- Rotary type (including combined rotary-percussion):	It includes a i) sanding system; ii) pneumatic die grinder kit; and iii) grinders, polishers and Sanders suitable for metal working.	Pneumatic vane gearmotor: 		1,101,696,190	Agriculture, Construction and Mining				• This code covers predominantly low value equipment. • This code covers equipment commonly used outside the MAC industries. • This code does not cover parts (parts for 8467 is covered by 846792).
71	8467 - Tools for working in the hand, pneumatic, hydraulic or with self-contained electric or non-electric motors	Pneumatic	846719 -- Other	It includes i) an air nibbler which is a sheet metal cutting tool; ii) a spring blade that is used to affix drywall to light gauge steel; and iii) pruning tying machine used to tie bundled nursery stock such as fruit trees and grape vines.	Pruning machine: 		901,139,872	Agriculture	maybe		no	• This code covers predominantly low value equipment. • This code covers equipment commonly used outside the MAC industries. • This code does not cover parts (parts for 8467 is covered by 846792).

LIST OF HS CODES DEEMED UNSUITABLE FOR INCLUSION IN THE ANNEXES TO THE MAC PROTOCOL - LAST UPDATED SEPTEMBER 2017												
No.	4 Digit HS Code and Name	Additional sub-grouping	6 Digit HS Code and Name	Examples	Images	Approximate Range of List Prices for New Equipment (\$USD)	Comtrade Statistics (\$USD)	Category	Is Equipment Separately Financed or Leased (Y/N)?	Does Equipment have single manufacturer's Serial Number (Y/N)?	Is Equipment Required to be Affixed to Immovable Property to Function (Y/N)?	Comments
				Topper/Hedgers: Designed to meet the growing demand for extra reach and a wider cutting pass in the topping position. The center boom provides the ability to operate efficiently in tight planted orchards of all varieties and provides the ability to gable top a tree in one pass.				Agriculture			no	
72	8474 - Machinery for sortings, screening, separating, washing, crushing, grinding, mixing or kneading earth, stone, ores or other mineral substances, in solid (including power or paste) for machinery for agglomerating, shaping or molding solid mineral fuels, ceramic paste, unhardened cements, plastering materials or other mineral products in powder or paste form; machines for forming foundry molds of sand.		847420 -- Crushing or grinding machines	It includes i) a crushing machine designed to reduce large rocks into smaller rocks, gravel, or rock dust and ii) a grinding machine that is a power tool used for grinding, which is a type of machining using an abrasive wheel as the cutting tool.	Stone crushing machine: 	3,824,830,389		Construction and Mining	yes		no	• This code covers equipment commonly used outside the MAC industries. • This code does not cover parts (parts for 8474 is covered by 847490).
				Hydraulic Crusher: Jaw Crusher: Ideal for mining, surface or underground application. Created to crush hardest materials: rock (hard & soft) gravel; recycling; industrial material, slag foundry waste.				Construction and Mining				
CHAPTER 87 - Vehicles other than railway or tramway rolling stock, and parts and accessories thereof												
73	8704 - Motor vehicles for the transport of goods	Other, with compression-ignition internal combustion piston engine (diesel or semi-diesel)	870423 -- G.V.W. exceeding 20 metric tons	It includes i) a cargo vehicle equipped with a hydraulically-operated lifting and lowering platform designed for the transport of heavy loads and ii) timberjack forestry forwarders are solely used for loading logs and hauling logs for short distances.	Timberjack forwarder: 	16,877,563,267		Agriculture	yes		no	• This code covers equipment commonly used outside the MAC industries. • This code does not cover parts (parts for 8701-8705 are covered by 8708).