

Part VII--Proposed New Industry Structure for Transportation Equipment Manufacturing

Section A--NAICS Structure

North American Industry Classification System

(NAICS)

Agreement Number 10

This Document represents the proposed agreement on the structure of the North American Industry Classification System (NAICS) for the following industries:
Transportation Equipment Manufacturing

The detailed NAICS structure along with a brief description of the structure is attached (Attachments 1 and 2). Each country agrees to release a copy of the proposed NAICS structure to interested data users. Comments received will be shared among the countries and additional discussions will be held before a final decision on the structure is made. Each country may add additional detailed industries, below the 4-digit level of NAICS, as necessary to meet national needs, so long as this additional detail aggregates to a 4-digit NAICS level in order to ensure full comparability among the three countries.

This NAICS structure was presented and provisionally accepted at the NAICS Committee meeting held on August 30, 1995 - September 1, 1995 in Washington, DC.

Accepted:	Signature	Date
Canada	/S/ Jacob Ryten	9/1/95
Mexico	/S/ Enrique Ordaz	9/1/95
United States	/S/ Jack E. Triplett	9/1/95

ATTACHMENT 1--NAICS STRUCTURE

- XX Transportation Equipment Manufacturing
- XXX Motor Vehicle Manufacturing
- XXXX Passenger Car and Light Duty Truck Manufacturing
- XXXX Heavy Duty Truck Manufacturing
- XXX Truck and Bus Body and Trailer Manufacturing
- XXXX Truck and Bus Body and Trailer Manufacturing
- XXX Motor Vehicle Part Manufacturing
- XXXX Motor Vehicle Gasoline Engine and Engine Part
Manufacturing
- XXXX Motor Vehicle Electrical and Electronic
Equipment Manufacturing

XXXX	Motor Vehicle Steering and Suspension Component (Except Springs) Manufacturing
XXXX	Motor Vehicle Brake System Manufacturing
XXXX	Motor Vehicle Transmission and Power Train Part Manufacturing
XXXX	Motor Vehicle Fabric Accessory and Seat Manufacturing
XXXX	Motor Vehicle Metal Stamping
XXXX	Other Motor Vehicle Part Manufacturing
XXX	Aerospace Product and Part Manufacturing
XXXX	Aerospace Product and Part Manufacturing
XXX	Railroad Rolling Stock Manufacturing
XXXX	Railroad Rolling Stock Manufacturing
XXX	Ship and Boat Building
XXXX	Ship and Boat Building
XXX	Miscellaneous Transportation Equipment Manufacturing
XXXX	Miscellaneous Transportation Equipment Manufacturing

Attachment 2--North American Industry Classification System

Draft Classification for:

Transportation Equipment Manufacturing

Representatives of the statistical agencies of Canada, Mexico, and the United States agree to a draft industrial classification for these industries.

The draft classification provides for the subsector, Transportation Equipment Manufacturing. This subsector is further subdivided into seven industry groups and fifteen industries. The subsector will be part of the Manufacturing sector of the classification.

A General Outline

The Transportation Equipment Manufacturing industries produce equipment for transporting people and goods.

Assembly of components, usually purchased as subassemblies, characterizes the chief production process in this subsector. Other processes employed in industries in this subsector include bending, forming, welding, machining, and assembly of metal or plastic to make parts for the subassemblies that are further fabricated into the finished product by other establishments in the group. Though many of these individual production processes appear in other machinery and equipment industries, transportation equipment is accorded an entire subsector because of its economic importance in all three countries. NAICS has industry groups for each mode of transport - road, rail, air and water. Parts for motor vehicles are important enough to warrant a separate industry group. Moreover, establishments that manufacture only parts are not as vertically integrated as those that produce complete vehicles and parts manufacture requires less assembly.

Limitations and Constraints of the Classification

In the Transportation Equipment Manufacturing industry, most activities that were identified in one country exist in the others. However, often an activity is not economically significant to the same degree in all countries. For example, a relatively broad NAICS industry was created for Aerospace Product and Part Manufacturing because this industry is less prominent in Canada and Mexico than in the United States. In Mexico, it is not possible to subdivide truck and bus body from trailer manufacturing for reasons of size. Size constraints in Canada and Mexico prohibit separating ship building from boat building.

An operating rule has therefore been adopted for this industry subsector that the NAICS industries must be economically significant and publishable in all three countries. Each country will publish additional categories that comprise subdivisions of NAICS industries, to present data for activities that are nationally significant.

For those users requiring detailed commodity information, each country will publish information on the products of these industries. Efforts are also underway to harmonize the commodity classifications to allow for greater comparability of these statistics.

Relationship to ISIC

Most NAICS 4-digit industries in this subsector are contained in Division 34, Manufacture of Motor Vehicles, Trailers and Semi-Trailers, and Division 35, Building and Repairing of Ships and Boats of the current International Standard Industrial Classification of all Economic Activities (ISIC, Revision 3) of the United Nations. There are, however, some differences between the two systems. ISIC has two divisions for transportation equipment, Divisions 34 and 35. NAICS, on the other hand, treats this as a single subsector with seven industry groups. NAICS treats some activities, such as the manufacture of engine pumps, motor vehicle electrical equipment, automotive fabrics, and automotive seats as the manufacture of automotive parts in the Transportation Equipment Manufacturing subsector. ISIC classifies these activities elsewhere. ISIC treats guided missiles, tanks and armored vehicles as machinery. NAICS includes these activities in Transportation Equipment Manufacturing because the production processes are similar to that of other transportation equipment. NAICS groups automotive hardware (door handles and similar parts) with other hardware because the production processes are similar, but includes stamping in automotive parts because auto stampings are produced in specialized establishments.

The following NAICS industries belong to ISIC Divisions 34 and 35 with the exception of the activities indicated: Truck and Bus Body and Trailer Manufacturing (dump truck lifting mechanisms); Motor Vehicle Gasoline Engine and Engine Part Manufacturing (motor vehicle engine pumps); Motor Vehicle and Electronic Equipment Manufacturing (electrical and electronic motor vehicle equipment); Motor Vehicle Fabric Accessory and Seat Manufacturing (automotive fabrics, linings and trimmings); Other Motor Vehicle Part Manufacturing (filters for internal combustion engines, except motor vehicles); Aerospace Product and Part Manufacturing (aircraft pumps and guided missiles and parts); and Other Transportation Equipment Manufacturing (tanks and armored vehicles). Despite these differences that for the most part, are relatively small portions of the NAICS industries, this NAICS subsector is substantially the same as the combination of the two ISIC Divisions.

Some Changes to the National Classifications

For Canada, the Transportation Equipment Manufacturing subsector is largely the same as the current Canadian classification's Transportation Equipment Industries major group. The NAICS subsector includes the rebuilding of motor vehicle parts on a factory basis, that are partly in Fabricated Metal Industries and partly in Wholesaling in the Canadian classification. On the other hand, the NAICS classifies hardware for transportation equipment in Fabricated Metal Product Manufacturing, while the Canadian classification includes their manufacture in Transportation Equipment. The structure and amount of detail of this NAICS subsector is similar to that of the corresponding areas of the Canadian classification.

For Mexico, the Transportation Equipment Manufacturing subsector has coverage similar to the Mexican classification's Automotive Industry and Manufacture, Repair and Assembly of Other Transportation Equipment and Parts. The NAICS subsector includes the rebuilding on a factory basis of motor vehicle gasoline engines, now classified in the Mexican classification's Repair and Maintenance subsector. It also includes the manufacture of electrical equipment for transportation equipment, currently classified with electrical equipment in the Mexican classification; automotive fabrics, currently in textiles; and fiberglass boats, currently in the manufacture of plastic products. However, the manufacturing of hardware and springs for transportation equipment is classified in Fabricated Metal Product Manufacturing in NAICS, not in transportation equipment as in the Mexican classification. The structure and amount of detail of this NAICS subsector is similar to that of the corresponding areas of the Mexican classification.

For the United States, several activities related to the production of transportation equipment are transferred into this subsector. For example, automotive job stamping of body parts is now included in this subsector. It has been transferred to this subsector to achieve comparability with Canada and Mexico, and because the production processes involved are exclusively devoted to the production of transportation equipment. The capital equipment required to produce automotive job stamping cannot be easily changed to produce other kinds of stamping, such as appliance parts. Further, most automotive job stamping producers have arrangements (contractual etc.) that makes it even harder to switch production to other kinds of stamping. Other activities moved to this subsector for the United States include automotive lighting, electronic components, fabric accessories and seating, essentially for the reasons listed above. In addition, NAICS provides more industry detail than the 1987 SIC. Heavy duty truck manufacturing is separated from manufacture of light trucks and passenger cars to recognize differences in the production process for heavy trucks and truck bodies, and the high degree of specialization in establishments that build heavy trucks.

Achievement of Objectives

The classification meets the objectives for the North American Industry Classification System (NAICS). It includes industries that group establishments with similar production processes, that is, it applies the production-oriented economic concept. In the main, the hierarchical structure of the classification also follows the production concept.

An objective of the NAICS project is the delineation of industries engaged in the production of advanced technologies. The proposed structure takes account of the

development of advanced electronic sensors and control mechanisms in automobiles. Existing classifications do not have a clear location for the production of these goods. It is expected that this activity will grow and the proposed structure will allow for the creation of a separate industry for this activity in the future.

The industries have high specialization ratios, and they are economically significant. The detail (4-digit) level and structure of the classification are balanced in size. This enhances the classification's suitability for sampling, data-publishing and other aspects of survey operations. Finally, while disruptions to time series exist, they have been minimized. The statistical agencies can develop statistical "links", to enable the re-tabulation of time series on the new NAICS classification structure.

The classification achieves comparability for the three participating countries. Based on existing data, all three countries expect to be able to publish data regularly at the industry (4-digit) level of the structure. All countries agree on the detailed definitions of the industries.

Section B-Annex: United States National Industry Detail

As explained in the *Structure* presentation of this notice, for a number of reasons 4-digit industries in the three NAICS industry subsectors presented in *Part I, Section A--Attachment I*, contain less detail than is currently in the U.S. SIC system, and less detail than is required to meet important analytical requirements in the U.S. The three country agreement on NAICS envisions that each country may develop national detailed industries below the NAICS industry level, so long as the national detail can be aggregated to the NAICS classification, thus assuring full North American comparability.

The ECPC is proposing U.S. 5-digit industry detail for the NAICS industry subsector covered in Part I of this notice. For cases where no 5-digit detail is shown, the ECPC is proposing that the NAICS 4-digit industries will also represent the most detailed U.S. industries.

TABLE 1

The definitions of status codes are as follows: E-existing industry; N-new industry; R-revised industry; and * means "part of". The abbreviation NEC is used for Not Elsewhere Classified.

1997 NAICS and U.S. description	Status code	1987 SIC code	1987 SIC description
XX Transportation Equipment Manufacturing			
XXX Motor Vehicle Manufacturing			
XXXX Passenger Car and Light Duty Truck Manufacturing	N	*3711	Motor Vehicles and Passenger Car Bodies (Passenger Car and Light Duty Trucks)
XXXX Heavy Duty Truck Manufacturing	N	*3711	Motor Vehicles and Passenger Car Bodies (Heavy Duty Trucks)
XXX Truck and Bus Body and Trailer Manufacturing			
XXXX Truck and Bus Body and Trailer Manufacturing			
XXXXXX Truck and Bus Body Manufacturing	R	*3711	Motor Vehicles and Passenger Car Bodies (Kit Car and Other Passenger Car Bodies)
		3713	Truck and Bus Bodies
		*3714	Motor Vehicle Parts and Accessories (Dumptruck Lifting Mechanisms and Fifth Wheels)
XXXXXX Truck Trailer Manufacturing	E	3715	Truck Trailers
XXXXXX Motor Home Manufacturing	E	3716	Motor Homes
XXXXXX Travel Trailer and Camper Manufacturing	R	3792	Travel Trailers and Campers
		*3799	Transportation Equipment, NEC (Automobile, Boat, Utility and Light Truck Trailers)
XXX Motor Vehicle Part Manufacturing			
XXXX Motor Vehicle Gasoline Engine and Engine Part Manufacturing			
XXXXXX Carburetor, Piston, Piston Ring and Valve Manufacturing	E	3592	Carburetors, Pistons, Piston Rings, and Valves

XXXXX	Engine and Engine Part Manufacturing	N	*3714	Motor Vehicle Parts and Accessories (Gasoline Engines and Engine Parts Including Rebuilt)
XXXX	Motor Vehicle Electrical and Electronic Equipment Manufacturing			
XXXXX	Vehicular Lighting Equipment Manufacturing	E	3647	Vehicular Lighting Equipment
XXXXX	Motor Vehicle Electrical and Electronic Equipment Manufacturing	R	*3679	Electronic Components, NEC (Electronic Control Modular Chips for Motor Vehicles)
			3694	Electrical Equipment for Internal Combustion Engines
			*3714	Motor Vehicle Parts and Accessories (Wiring Harness Sets, Other Than Ignition; Block Heaters and Battery Heaters; Instrument Board Assemblies; Permanent Defrosters; Windshield Washer-Wiper Mechanisms; Cruise Control Mechanisms; and Other Electrical Equipment for Internal Combustion Engines)
XXXX	Motor Vehicle Steering and Suspension Component (Except Springs) Manufacturing	N	*3714	Motor Vehicle Parts and Accessories (Steering and Suspension Parts)
XXXX	Motor Vehicle Brake System Manufacturing	N	*3292	Asbestos Products (Asbestos Brake Linings and Pads)
			*3714	Motor Vehicle Parts and Accessories (Brake and Brake Systems, Including Assemblies)
XXXX	Motor Vehicle Transmission and Power Train Part Manufacturing	N	*3714	Motor Vehicle Parts and Accessories (Transmissions and Power Train Parts, Including Rebuilding)
XXXX	Motor Vehicle Fabric Accessory and Seat Manufacturing	N	*2396	Automotive Trimmings, Apparel Findings, and Related Products (Textile Motor Vehicle Trimmings)
			*2399	Fabricated Textile Products, NEC (Motor Vehicle Seat Belts, and Seat and Tire Covers)
			*2531	Public Building and Related Furniture (Seats for Motor Vehicles)
XXXX	Motor Vehicle Metal Stamping	E	3465	Automotive Stampings
XXXX	Other Motor Vehicle Part Manufacturing	R	*3519	Internal Combustion Engines, NEC (Stationary Engine Radiators)
			*3599	Industrial and Commercial Machinery and Equipment, NEC (Gasoline, Oil and Intake Filters for Internal Combustion Engines, Except those for Motor Vehicles)

*3714 Motor Vehicle Parts and Accessories (Except Truck and Bus Bodies, Trailers, Engine and Engine Parts, Motor Vehicle Electrical and Electronic Equipment, Motor Vehicle Steering and Suspension Components, Motor Vehicle Brake Systems, and Motor Vehicle Transmission and Power Train Parts)

XXX Aerospace Product and Part Manufacturing

XXXX Aerospace Product and Part Manufacturing

XXXXX	Aircraft Manufacturing	E	3721	Aircraft
XXXXX	Aircraft Engine and Engine Part Manufacturing	E	3724	Aircraft Engines and Engine Parts
XXXXX	Other Aircraft Part and Auxiliary Equipment Manufacturing	R	*3728	Aircraft Parts and Auxiliary Equipment, NEC (Except Fluid Power Aircraft Subassemblies)
XXXXX	Guided Missile and Space Vehicle Manufacturing	E	3761	Guided Missiles and Space Vehicles
XXXXX	Guided Missile and Space Vehicle Propulsion Unit and Propulsion Unit Part Manufacturing	E	3764	Guided Missile and Space Vehicle Propulsion Units and Propulsion Unit Parts
XXXXX	Other Guided Missile and Space Vehicle Part and Auxiliary Equipment Manufacturing	E	3769	Guided Missile and Space Vehicle Parts and Auxiliary Equipment

XXX Railroad Rolling Stock Manufacturing

XXXX	Railroad Rolling Stock Manufacturing	R	*3531	Construction Machinery and Equipment (Railway Maintenance of Way Equipment)
			*3743	Railroad Equipment (Except Locomotive Fuel Lubricating or Cooling Medium Pumps)

XXX Ship and Boat Building

XXXX	Ship and Boat Building			
XXXXX	Ship Building and Repairing	E	3731	Ship Building and Repairing
XXXXX	Boat Building	R	*3732	Boat Building and Repairing (Boat Building and Boat Building and Repair in the same establishment)

XXX Miscellaneous Transportation Equipment Manufacturing

XXXX	Miscellaneous Transportation Equipment Manufacturing			
XXXXX	Motorcycle, Bicycle and Part Manufacturing		*3944	Games, Toys, and Children's Vehicles, Except Dolls and Bicycles (Metal Tricycles)
			3751	Motorcycles, Bicycles and Parts
XXXXX	Military Armored Vehicle, Tank, and Tank Component Manufacturing	R	*3711	Motor Vehicles and Passenger Car Bodies (Military Armored Vehicles)
			3795	Tanks and Tank Components
XXXXX	Other Miscellaneous Transportation Equipment Manufacturing	R	*3799	Transportation Equipment, NEC (Except Automobile, Boat, Utility Light Truck Trailers; and Wheelbarrows)

TABLE 2

The abbreviation “pt” means “part of”, @ means time series break has been created that is greater than 3% of the 1992 value of shipments for the 1987 SIC industry. The abbreviation NEC is used for Not Elsewhere Classified.

1987 SIC code	1987 SIC description	1997 U.S. description
2396@	Automotive Trimmings, Apparel Findings, and Related Products	
	Textile Motor Vehicle Trimmings	Motor Vehicle Fabric Accessory and Seat Manufacturing (pt)
	Apparel Articles	Apparel Belt, Apparel Accessories, and Other Apparel Manufacturing (pt) (Included in Apparel Manufacturing subsector)
	Printing on Apparel	Other Commercial Printing (pt) (Included in Printing and Related Support Activities subsector)
	Other Automotive Trimmings, Apparel Findings, and Related Products	Other Miscellaneous Textile Product Manufacturing (pt) (Included in Textile Product Mills subsector)
2399	Fabricated Textile Products, NEC	
	Motor Vehicle Seat Belts, and Seat and Tire Cover	Motor Vehicle Fabric Accessory and Seat Manufacturing (pt)
	Aprons, Money Belts, and Diapers	Apparel Belt, Apparel Accessories and Other Apparel Manufacturing (pt) (Included in Apparel Manufacturing subsector)
	Other Fabricated Textile Products	All Other Miscellaneous Textile Product Mills (pt) (Included in Textile Product Mills subsector)
2531@	Public Building and Related Furniture	
	Seats for Motor Vehicle	Motor Vehicle Fabric Accessory and Seat Manufacturing (pt)
	Wood Furniture Made for Use in Public Buildings	Wood Office and Public Building Furniture manufacturing (pt) (Included in Furniture Manufacturing subsector)
	Metal Furniture Made for Use in Public Buildings	Metal Office and Public Building Furniture Manufacturing (pt) (Included in Furniture Manufacturing subsector)
	Other than Wood or Metal Furniture Made for Use in Public Buildings	Other Furniture Manufacturing (pt) (Included in Furniture Manufacturing subsector)
3292	Asbestos Products	

	Asbestos Brake Linings and Pads	Motor Vehicle Brake System Manufacturing (pt)
	Other Asbestos Products	Other Nonmetallic Mineral Product Manufacturing (pt) (Included in Nonmetallic Mineral Product Manufacturing subsector)
3465	Automotive Stamping	Motor Vehicle Metal Stamping
3519	Internal Combustion Engines, NEC	
	Stationary Engine Radiators	Other Motor Vehicle Part Manufacturing (pt)
	Internal Combustion Engines	Other Engine Manufacturing (pt) (Included in Machinery Manufacturing subsector)
3531@	Construction Machinery and Equipment	
	Railway Maintenance of Way Equipment	Railroad Rolling Stock Manufacturing (pt)
	Winches, Aerial Work Platforms, and Automotive Wreckers Hoists	Overhead Traveling Crane, Hoist, and Monorail System Manufacturing (pt) (Included in Machinery Manufacturing subsector)
	Other Construction Machinery and Equipment	Construction Machinery Manufacturing (Included in Machinery Manufacturing subsector)
3592	Carburetors, Pistons, Piston Rings and Valves	Carburetor, Piston, Piston Ring and Valve Manufacturing
3599@	Industrial and Commercial Machinery and Equipment, NEC	
	Gasoline, Oil and Intake Filters for Internal Combustion Engines, Except Motor Vehicle	Other Motor Vehicle Part Manufacturing (pt)
	Flexible Metal Hose	All Other Fabricated Metal Product Manufacturing (pt) (Included in Fabricated Metal Product Manufacturing subsector)
	Carnival Amusement Park Equipment	Other Commercial and Service Industry Machinery Manufacturing (pt) (Included in Machinery Manufacturing subsector)
	Machine Shops	Machine Shops (Included in Fabricated Metal Product Manufacturing subsector)
	Semiconductor Machinery	Semiconductor Machinery Manufacturing (Included in Machinery Manufacturing subsector)
	Other Industrial and Commercial Machinery and Equipment	Other General Purpose Machinery Manufacturing (pt) (Included in Machinery Manufacturing subsector)

3647	Vehicular Lighting Equipment	Vehicular Lighting Equipment Manufacturing
3679	Electronic Components, NEC	
	Electronic Control Modular Chips for Motor Vehicles Manufacturing (pt)	Motor Vehicle Electrical and Electronic Equipment Manufacturing
	Communication Equipment	Broadcast and Studio Equipment for Radio, TV and Cable Manufacturing (Included in Computer and Electronic Product Manufacturing subsector)
	Other Electronic Components Including Loaded PC Boards	Other Electronic Component Manufacturing (pt) (Included in Computer and Electronic Product Manufacturing subsector)
3694	Electrical Equipment for Internal Combustion Engines	Motor Vehicle Electrical and Electronic Equipment Manufacturing (pt)
3711@	Motor Vehicles and Passenger Car Bodies	
	Passenger Car and Light Duty Trucks	Passenger Car and Light Duty Truck Manufacturing
	Heavy Duty Trucks	Heavy Duty Truck Manufacturing
	Kit Car and Other Passenger Car Bodies	Truck and Bus Body and Trailer Manufacturing (pt)
	Military Armored Vehicles	Military Armored Vehicle, Tank, and Tank Component Manufacturing (pt)
3713	Truck and Bus Bodies	Truck and Bus Body and Trailer Manufacturing (pt)
3714@	Motor Vehicle Parts and Accessory	
	Dump-Truck Lifting Mechanisms and Fifth Wheels	Truck and Bus Body and Trailer Manufacturing (pt)
	Gasoline Engines Including Rebuilt and Engine Parts Including Rebuilt for Motor Vehicles	Engine and Engine Part Manufacturing
	Wiring Harness Sets, Other than Ignition; Block Heaters and Battery Heaters; Instrument Board Assemblies; Permanent Defroster; Windshield Washer-Wiper Mechanisms; Cruise Control Mechanism; and Other Electrical Equipment for Internal Combustion Engines	Motor Vehicle Electrical and Electronic Equipment Manufacturing (pt)
	Steering and Suspension Parts	Motor Vehicle Steering and Suspension Component (Except Springs) Manufacturing
	Brake and Brake Systems, Including Assemblies	Motor Vehicle Brake System Manufacturing

	Transmissions and Power Train Parts, Including Rebuilding Radiators	Motor Vehicle Transmission and Power Train Part Manufacturing
	Other Motor Vehicle Parts	Other Motor Vehicle Part Manufacturing (pt)
3716	Motor Homes	Motor Home Manufacturing
3721	Aircraft	Aircraft Manufacturing
3724	Aircraft Engines and Engine Parts	Aircraft Engine and Engine Part Manufacturing
3728	Aircraft Parts and Auxiliary Equipment, NEC	
	Fluid Power Aircraft Subassemblies	Fluid Power Valve and Hose Fitting Manufacturing (pt) (Included in Fabricated Metal Product Manufacturing subsector)
	Other Aircraft Parts and Equipment	Other Aircraft Part and Auxiliary Equipment Manufacturing
3731	Ship Building and Repairing	Ship Building and Repairing
3732	Boat Building and Repairing	
	Boat Repair done Outside Boat Yard	Included in Services subsector
	Boat Building and Repair done Inside Boat Yard	Boat Building (pt)
3743	Railroad Equipment	
	Locomotive Fuel Lubricating or Cooling Medium Pumps	Pump and Pumping Equipment Manufacturing (pt) (Included in Machinery Manufacturing subsector)
	Other Railroad Equipment	Railroad Rolling Stock Manufacturing (pt)
3751	Motor cycles, Bicycles, and Parts	Motorcycle, Bicycle, and Part Manufacturing (pt)

3761	Guided Missiles and Space Vehicles	Other Guided Missile and Space Vehicle Manufacturing
3764	Guided Missile and Space Vehicle Propulsion Units and Propulsion Unit Parts	Guided Missile and Space Vehicle Propulsion Unit and Propulsion Unit Part Manufacturing
3769	Guided Missile Space Vehicle Parts and Auxiliary Equipment, NEC	Guided Missile and Space Vehicle Part and Auxiliary Equipment Manufacturing
3792	Travel Trailers and Campers	Travel Trailer and Camper Manufacturing (pt)
3795	Tanks and Tank Components	Military Armored Vehicle, Tank, and Tank Component Manufacturing (pt)
3799@	Transportation Equipment, NEC	
	Automobile, Boat, Utility and Light Truck Trailers	Travel Trailer and Camper Manufacturing (pt)
	Wheelbarrows	Hand and Edge Tool Manufacturing (pt) (Included in Fabricated Metal Product Manufacturing subsector)
	Other Transportation Equipment	Other Miscellaneous Transportation Equipment Manufacturing
3944	Games, Toys, and Children's Vehicles, Except Dolls and Bicycles	
	Metal Tricycles	Motorcycle, Bicycle and Part Manufacturing (pt)
	Other Games, Toys and Children's Vehicles	Game, Toy, and Children's Vehicle Manufacturing (pt) (Included in Miscellaneous Manufacturing subsector)

Description of Changes to the U.S. System

A number of the changes listed in this section were made for reasons of international comparability. Where one or more of the three North American countries had different definitions of an industry classification, adjustments to the definitions in one or more countries were required. In constructing NAICS, the three countries agreed to move, where change was required to attain international comparability, in the direction of the country or countries whose existing classification definitions most closely corresponded to the production-oriented concept adopted for NAICS. Cases where the U.S. changed are listed below; other cases where Canada or Mexico moved toward the U.S. classification are not, of course, listed in this section.

Eight new industries were added to the 1997 industry structure for this industry subsector. The eight industries created were:

Passenger Car and Light Duty Truck Manufacturing and Heavy Duty Truck Manufacturing, both from parts of 1987 SIC 3711, Motor Vehicles and Passenger Car Bodies. The industry association suggested making additional industries from 1987 SIC 3711. The new industries are defined by high specialization, and in the case of Passenger Car and Light Duty Truck Manufacturing, large capital-intensive production facilities. This is a change for all three countries.

Engine and Engine Part Manufacturing, Motor Vehicle Steering and Suspension Component (Except Springs) Manufacturing, and Motor Vehicle Transmission and Power Train Part Manufacturing from parts of 1987 SIC 3714, Motor Vehicle Parts and Accessories. The industry suggested making additional industries from 1987 SIC 3714 and the production processes are sufficiently distinct to justify separate industries. Mexico already had separate industries for engines and for transmission and power trains, and Canada had a separate industry for steering and suspension so the U.S. change also facilitated international comparability.

Motor Vehicle Brake System Manufacturing from parts of 1987 SIC 3292, Asbestos Products, and 1987 SIC 3714, Motor Vehicle Parts and Accessories, to achieve international comparability. Mexico and Canada already had separate industries for brake system manufacturing.

Motor Vehicle Fabric Accessory and Seat Manufacturing from parts of 1987 SIC 2396, Automotive Trimmings, Apparel Findings, and Related Products; 1987 SIC 2399, Fabricated Textile Products, NEC; and 1987 SIC 2531, Public Building and Related Furniture. This change was made for international comparability, and is an improvement on production grounds.

1987 SIC 3694, Electrical Equipment for Internal Combustion Engines, is combined with part of 1987 SIC 3679, Electronic Components, NEC, and part of 1987 SIC 3714, Motor Vehicle Parts and Accessories, to form NAICS Electrical Equipment for Internal Combustion Engine Manufacturing.

Three industries were transferred into NAICS Transportation Equipment Manufacturing:

1987 SIC 3465, Automotive Stampings, is renamed Motor Vehicle Metal Stamping to achieve international comparability and for the reasons noted in the *Changes to National Classifications* section above. The United States moved to match Canada

and Mexico.

1987 SIC 3592, Carburetors, Pistons, Piston Rings and Valves, is renamed Carburetor, Piston, Piston Ring and Valve Manufacturing to achieve international comparability. Canada had these in CSIC 32, Transportation Equipment Industries.

1987 SIC 3647, Vehicular Lighting Equipment, is renamed Vehicular Lighting Equipment Manufacturing to achieve international comparability. Canada had this in CSIC MG 32, Transportation Equipment.

Also, four activities were transferred into the 1997 Transportation Equipment Manufacturing.

Stationary engine radiators from 1987 SIC 3519, Internal Combustion Engines, NEC, to Other Motor Vehicle Part Manufacturing, to achieve international comparability. The U.S. and Mexico moved to match Canada, because the production of radiators is a similar process whether for stationary or nonstationary engines. .

Gasoline, oil and intake filters for internal combustion engines, except those for motor vehicles, from 1987 SIC 3599, Industrial and Commercial Machinery and Equipment, NEC, to Other Motor Vehicle Part Manufacturing, to achieve international comparability. The U.S. moved to match Canada and Mexico, because the production of filters is a similar process whether for stationary or non stationary engines.

Railway maintenance of way equipment from 1987 SIC 3531, Construction Machinery and Equipment, to Railroad Rolling Stock Manufacturing, to achieve international comparability. The U.S. moved to match Canada and Mexico.

Tricycles made primarily of metal from 1987 SIC 3944, Games, Toys, and Children's Vehicles, Except Dolls and Bicycles, to Motorcycle, Bicycle, and Part Manufacturing, to achieve international comparability. The U.S. and Canada moved to match Mexico. Plastic tricycles remain in toy manufacturing.

Three activities were transferred out of 1987 Major Group 37, Transportation Equipment Manufacturing, and are described more fully in their new respective NAICS subsectors.

Boat repair done outside boat yards was transferred from 1987 SIC 3732, Boat Building and Repairing, into the Services subsector.

Locomotive fuel lubricating or cooling medium pumps were transferred from 1987 SIC 3743, Railroad Equipment, into the Machinery Manufacturing subsector.

Wheelbarrows from 1987 SIC 3799, Transportation Equipment, NEC, were transferred into Hand and Edge Tool Manufacturing in the Fabricated Metal Product Manufacturing subsector.

Several activities were transferred within the Transportation Equipment Manufacturing subsector. The number of transportation equipment industries increased from 18 in 1987 to 28 in 1997. For time series linkage, all but 3 of the 18 1987 industries are comparable within three percent of the 1997 industries. One of the three is an NEC industry.

Sally Katzen,

Administrator, Office of Information and Regulatory Affairs.