

Approved For Release 2000/08/22 : CIA-RDP61S00527A000200090043-0

Copy No. 3 of 200 copies

A CORRELATION OF THE CURRENT INTERNATIONAL LISTS
AND
A REVISION OF THE INTERNATIONAL LISTS
AS PROPOSED BY
THE AD HOC SUBCOMMITTEE ON LIST REVIEW

DOC Exempt Letter On File

Approved For Release 2000/08/22 : CIA-RDP61S00527A000200090043-0 December 24, 1957

A CORRELATION OF THE CURRENT INTERNATIONAL LISTS
AND
A REVISION OF THE INTERNATIONAL LISTS
AS PROPOSED BY
THE AB NAC SUBCOMMITTEE ON LIST REVIEW

TABLE OF CONTENTS

<u>CATEGORY</u>	<u>PAGE NO.</u>	<u>CATEGORY</u>	<u>PAGE</u>
<u>Metalworking Machinery and Certain Related Items:</u>	1 - 5	<u>Electronics and Precision Instruments:</u>	21 - 31
1000 - 1099	1 - 4	1500 - 1599	21 - 29
2000 - 2099	4	2500 - 2599	30
3000 - 3099	4 - 5	3500 - 3599	30 - 31
<u>Chemical and Petroleum Equipment:</u>	6 - 10	<u>Metals, Minerals and Their Manufactures:</u>	32 - 36
1100 - 1199	6 - 9	1500 - 1599	32 - 35
2100 - 2199	9	2600 - 2699	35
3100 - 3199	9 - 10	3600 - 3699	35 - 36
<u>Electrical and Power-Generating Equipment:</u>	11 - 12	<u>Chemicals, Plastics and Petroleum Products:</u>	37 - 41
1200 - 1299	11	1700 - 1799	37 - 40
2200 - 2299	11	2700 - 2799	---
3200 - 3299	12	3700 - 3799	40 - 41
<u>General Industrial Equipment:</u>	13 - 15	<u>Rubber and Synthetic Products:</u>	42
1300 - 1399	13 - 14	1700 - 1799	42
1400 - 1499	---	2800 - 2899	---
1500 - 1599	15	3800 - 3899	42
<u>Transportation Equipment:</u>	16 - 20	<u>Miscellaneous:</u>	43
1600 - 1699	16 - 19	3900 - 3999	43
2400 - 2499	19	4900 - 4999	---
2400 - 2499	20	5900 - 5999	43

Approved For Release 2000/08/22 : CIA-RDP61S00527A000200090043-0

SECRET

CATEGORY: METALWORKING MACHINERY AND CERTAIN RELATED ITEMS

SECRET

1.

CURRENT I/L LISTINGS			PROPOSED REVISION OF I/L LISTINGS				
I/L NO.	DEFINITIONS	ACTION	EMBARGO	MATCH	NEW ITEM NO.	SOURCE ITEM NO.	DEFINITIONS
1001	Vertical boring and turning mills, as follows: (a) all types with table diameter exceeding 96" (2.5 m); (b) automatic types (automatic cycle).	Delete 1001(a) and combine 1001(b) with other cyclic automatic machines in new embargo item 1060.					
1002	Jig boring machines.	Retain as new item 1001	E		1001	1002	1001 - Jig boring machines. (Criteria - a,b,c; TD - a,b,c,d)
1006	Deep hole drilling machines in which the coolant passes through the drill; and hollow drills for such machines.	Retain as new embargo item 1005.	E		1005	1006	1005 - Deep hole drilling machines in which the coolant passes through the drill; and hollow drills for such machines. (Criteria - c; TD - a, b, c, d)
1016	Internal grinding machines: (a) incorporating high frequency (over 60 cycle) spindles; and high frequency spindles and spindle assemblies; (b) other types incorporating spindles with speeds in excess of 60,000 rpm and spindle assemblies.	Revise and expand as new embargo item 1010. Expansion is to avoid possible frustration of control since key elements are the grinding heads and their spindles and spindle assemblies.	E		1010	1016	* 1010 - Grinding heads and parts, whether or not incorporated in machines, as follows: (a) Grinding heads incorporating high frequency (over 60 cycle) spindles; (b) Grinding heads incorporating spindles with speeds in excess of 60,000 rpm; (c) Spindles and spindle assemblies for the above heads. (Criteria - a,b,c; TD - a,b,c,d)
1017	Surface grinding machines, as follows: (a) multi-spindle, rotary table or work holder; (b) horizontal spindle, reciprocating table over 24" (61 cm) wide; (c) multi-spindle disc.	Delete 1017(b) and (c) and retain 1017(a) as new watch item 2001.	W		2001	1017 (a)	* 2001 - Multi-spindle surface grinding machines, rotary table or work holder types, n.e.s. (Criteria - c; TD - a,b,c)
1019	Contour profile grinders.	Retain and combine with item 1090 as part (g) of new embargo item 1060; modest revision in language for purpose of clarification.					
1021	Jig grinders.	Retain as part (b) of new embargo item 1060.					
1022	Lap radial grinders (automatic oscillating types) i.e., machines for grinding concave or convex surfaces such as those in ball bearing races.	Delete.					
1023	Roll grinding machines (machines fitted with, or capable of being fitted with, cambering device only).	Retain as new embargo item 1015.	E		1015	1023	1015 - Roll grinding machines (machines fitted with, or capable of being fitted with, cambering device only). (Criteria - c; TD - a,b,c,d)
1025	Thread grinding machines.	Retain as part (c) of new embargo item 1060.					
1027	Grinding machines for broaching tools, auto cycle, auto sing.	Delete.					
1039	Engine and center lathes over 18" (45 cm) center height and over 18 feet (5.5 m) between centers.	Delete.					
1040	Horizontal turret lathes of bar capacity 4" (10 cm) and over or swing-over-bed of 24" (61 cm) or more.	Delete.					
1041	Automatic lathes, multi-spindle bar or chucking.	Delete.					
1042	Right angle (90°) lathes (in which the bed is at right angles to the spindle).	Delete.					
1043	Combination tube boring and turning lathes.	Delete.					
1044	Combination lathe, drilling, and milling machines, specially designed for mobile military workshops or for naval craft.	Delete.					
1050	Thread milling machines, 6" (15 cm) work diameter at the thread and over (except gun jump screw lathes covered by item 1086).	Delete.					
1051	Spar millers.	Delete.					

* Signifies modified or new definition

SECRET

SECRET

SECRET

CATEGORY: METALWORKING MACHINERY AND CERTAIN RELATED ITEMS

SECRET

2.

CURRENT I/L LISTINGS		PROPOSED REVISION OF I/L LISTINGS				
I/L NO.	DEFINITIONS	ACTION	EMBARGO WATCH NO.	NEW ITEM NO.	SOURCE ITEM No.	DEFINITIONS
1052	Planing machines, planer milling machines, and combination planer and planer milling machines, with capacity for work pieces 72" (1.83 m) wide and over or 20' (6.1 m) long and over.	Retain all except "planing machines" and combine with related parts of 2052 to form part (d) of new embargo item 1050; combine the "planing machines" with related coverage of item 2052 to form new watch item 2005.	M	2005	p1052 p2052	*2005 - Planing machines with capacity for work pieces 48" (1.22 meters) wide and over or 15' (4.57 meters) long and over n.e.e. (Criteria - c; TD - a,b,c)
1053	Armour plate planers	Retain by including as part of Interpretative Note No. 1 to new item 1050.				
1065	Military-type jigs, fixtures and plate metal working accessories (except machines).	Delete.				
1070	Forging hammers, as follows: (a) having a falling weight exceeding 6 tons (English or metric); (b) steam, air or mechanical hammers of rated size exceeding 5 tons (English or metric).	Retain as new embargo item 1020.	E	1020	1070	1020 - Forging hammers, as follows: (a) having a falling weight exceeding 6 tons (English or metric); (b) steam, air or mechanical hammers of rated size exceeding 5 tons (English or metric). (Criteria - c; TD - a,b,c)
1072	Presses, mechanical or hydraulic, with rated pressures of over 1000 tons. (Note: The "tons" mentioned are those commonly used in the metalforming industry of the exporting country.)	Retain as new embargo item 1025.	E	1025	1072	1025 - Presses, mechanical or hydraulic, with rated pressures of over 1000 tons. (Note: The "tons" mentioned are those commonly used in the metalforming industry of the exporting country.) (Criteria - b,c; TD - a,b,e,d)
1073	Machinery for drawing and/or tempering wire .015" (.381 mm) in diameter or less or tubing .026" (.660 mm) in diameter or less.	Retain as new embargo item 1030.	E	1030	1073	1030 - Machinery for drawing and/or tempering wire .015" (.381 mm) in diameter or less or tubing .026" (.660 mm) in diameter or less. (Criteria - b,c; TD - a,b,e,d)
1075	Spinning lathes, except those with a spindle drive motor of 10 hp or less.	Delete.				
1080	Machines and equipment specially designed for making or measuring gas turbine blades, including but not limited to the following: (a) blade belt grinding machines; (b) blade edge radiusing machines; (c) blade polishing machines; (d) blade aerofoil milling and/or grinding machines; (e) blade fillet radiusing and/or platform forming machines or equipment; (f) blade root milling machines; (g) blade blank performing machines; (h) blade rolling machines; (i) blade aerofoil shaping machines; (j) blade root grinding machines; (k) blade aerofoil scribing equipment; (l) blade aerofoil and/or root automatic measuring equipment.	Retain as new embargo item 1035.	E	1035	1080	1035 - Machines and equipment specially designed for making or measuring gas turbine blades, including but not limited to the following: (a) blade belt grinding machines; (b) blade edge radiusing machines; (c) blade polishing machines; (d) blade aerofoil milling and/or grinding machines; (e) blade fillet radiusing and/or platform forming machines or equipment; (f) blade root milling machines; (g) blade blank performing machines; (h) blade rolling machines; (i) blade aerofoil shaping machines; (j) blade root grinding machines; (k) blade aerofoil scribing equipment; (l) blade aerofoil and/or root automatic measuring equipment. (Criteria - a,b,c; TD - a,b,e,d)
1081	Special machinery for the working or forming of aircraft sheet, plate or extrusion.	Retain as new embargo item 1040.	E	1040	1081	1040 - Special machinery for the working or forming of aircraft sheet, plate or extrusion. (Criteria - a,b; TD - a,b,e,d)
1084	Equipment designed for removing surplus stock from work-pieces of metal or other materials: (a) by the discharge of electric sparks from a shaped electrode; (b) by applying ultrasonic vibrations; (c) by electrolytic means in combination with abrasive action.	Retain, revise and expand as new embargo item 1045; revision of part (a) is for clarification; part (d) represents expanded coverage.	E	1045	1084	*1045 - Equipment designed for removing surplus stock from work pieces of metal or other materials: (a) by electro erosion (except equipment designed for cutting (separating) of sheets, plates, structurals, bars, etc.); (b) by applying ultrasonic vibrations; (c) by electrolytic means in combination with abrasive action; (d) by chemmilling (to be further defined) (Criteria - b; TD - a,b,e,d)
1086	All machines and equipment specially designed for manufacturing armaments (i.e., arms, munitions, and implements of war). (For illustrations, see Interpretative Note No. 1).	Retain as new embargo item 1050 and combine with item 1053 by adding "armour plate planers" to Interpretative Note No. 1.	E	1050	1086 1053	*1050 - All machines and equipment specially designed for manufacturing armaments (arms, munitions, and implements of war). (For illustrations, see Interpretative Note No. 1). (Criteria - a; TD - a,b,e,d)

*Signifies modified or new definition.

SECRET

SECRET

SECRET

CATEGORY: METALLURGICAL MACHINERY AND CERTAIN RELATED ITEMS

SECRET

CURRENT I/L LISTINGS		PROPOSED REVISION OF I/L LISTINGS				
I/L No.	DEFINITIONS	ACTION	EMBARGO	WATCH	NEW SOURCE ITEM NO.	DEFINITIONS
1087	External surface broaching machines; and external surface broaching tools.	Delete.				
1088	Gear making machinery: All machinery designed for the manufacture and/or finishing of machine cut gears (except hobbing machines of 48" (1.22 m) maximum work diameter or less, and gear grinding machines of a non-generating type).	Retain as part (f) of new embargo item 1060.				
1089	Honing machines with multiple work stations.	Retain as part (e) of new embargo item 1060.				
1090	Profiling and duplicating machinery, as follows: (a) die-sinking machines; (b) profiling machines for marine and aircraft propeller blades (planing, shaping, milling or grinding); (c) profiling and duplicating milling machines (except propeller types covered by (b)); (d) profiling machines, n.e.c.; (e) attachments for center lathes, capstan lathes, milling machines and vertical borers, which make them capable of carrying out profiling and duplicating (except taper turning attachments).	Retain parts (a) through (d) and revise in combination with 1089 to form part (g) of new embargo item 1060. Delete part (e).				
New Item		<u>New Item:</u> For simplicity and to focus attention on the better automatic machine tools various items or parts thereof were combined to form new embargo item 1060.	E		1060 1001(b) 1021 1025 1052 1052 1089 1088 1090 1029 2002 p3011	1060 - Cyclic automatic machines** as follows: (a) Vertical boring and turning mills; (b) Jig grinders; (c) Thread grinding machines; (d) Planer milling machines and combination planer and planer milling machines; with capacity for work pieces 48" (1.22 meters) wide and over or 15' (4.57 meters) long and over. (e) Honing machines with multiple work stations. (f) Gear making machinery: All machinery designed for the manufacture and/or finishing of machine cut gears (except hobbing machines of 48" (1.22 m) maximum work diameter or less, and gear grinding machines of a non-generating type). (g) Profiling and duplicating machinery, as follows: (1) Die-sinking machines; (2) Profiling and duplicating machines (planing, shaping, milling or grinding), n.e.c., except two-dimensional pantograph engraving machines designed to use direct-driven cutters powered by motors of 1/4 hp or less. (b) High precision (fine) boring machines, production types only, capable of an accuracy of 0.0005 inch (0.013 mm) or better. (1) Internal cylindrical grinding machines, automatic sizing and/or centerless types. (TD - a,b,e,d)
New Item		<u>New Item:</u> A new embargo item 1065 has been developed to reflect the increasing use of electronic equipment for controlling operations of machine tools. The proposed definition is still under review as to wording.	E		1065	1065 - Engineered electronic feedback controls designed for controlling machine tool cutting and/or forming operations whether or not incorporated in the machines (to be further checked and to be correlated with comparable analysis of automaticity in other categories). (Criteria - b; TD - a,b,e,d)
1385	Diamonds suitable for industrial use, including splines and borers. (Note: Interpreted to include industrial diamonds, dust and powder. Also interpreted to include rough cuttable diamonds suitable either for gem stones or industrial diamonds.)	Retain as new embargo item 1070.	E		1070 1385	1070 - Diamonds suitable for industrial use, including splines and borers. (Note: Interpreted to include industrial diamonds, dust and powder. Also interpreted to include rough cuttable diamonds suitable either for gem stones or industrial diamonds.) (Criteria - c; TD - c)
1386	Diamond wire drawing dies, diamond dressers, diamond boring and turning tools, and diamond core drill bits.	Retain as new embargo item 1075.	E		1075 1386	1075 - Diamond wire drawing dies, diamond dressers, diamond boring and turning tools, and diamond core drill bits. (Criteria - c; TD - None)

**Signifies modified or new definition.
**Cyclic automatic machine is understood to mean any machine which performs a preset cycle of operations repetitively with almost no human intervention. The function of the worker is limited to manual pushbutton starting and stopping, observing and adjusting the performance to correct any malfunction, and repairing and maintaining the machine.
SECRET

SECRET

SECRET

CATEGORIES: RESEARCHING, RESEARCHING AND CERTIFIED RELATED ITEMS

SECRET 4.

CURRENT I/L LISTINGS		PROPOSED REVISION OF I/L LISTINGS	
I/L NO.	DEFINITIONS	ACTION	DEFINITIONS
			NEW I/L ITEM NO.
1387	Diamond grinding wheels, slides, hoses and laps.	Retain as new embargo item 1080.	1080
New Item		A new embargo item 1085 was developed from old C-375.	1085
2001	Vertical boring and turning mills, as follows: Non-automatic types with table diameter 72 inches (1.83 m) up to and including 96 inches (2.50 m).	Delete.	
2002	High precision (fine) boring machines, production type only, capable of an accuracy of 0.0005 inch (0.0125 mm) or better.	Retain as part (h) of new embargo item 1060.	
2003	Horizontal combination boring, drilling, and milling machines (horizontal boring machines).	Delete.	
2090	Horizontal spindle bed type automatic milling machines (cyclo type) with tables 20 inches (50 cm) wide and over and/or 48 inches (1.22 m) long and over.	Retain and combine with 2090 to form new item 2010.	2010
2092	Planing machines, planer milling machines, and combination planer and planer milling machines, with capacity for work pieces 48 inches (1.22 m) up to but not including 72 inches (1.83 m), wide and 15 tons (14.79 m) up to but not including 20 tons (18.14 m) long.	Retain by combining coverage except for "planing machines" with related coverage of 1092 to form new embargo item 1060(d); By combining the "planing machine" coverage of 1092 and 2092 to form new item 2095.	2090 2090
2070	Forging hammers, as follows: (a) having a falling weight of 3 tons up to and including 6 tons (English or metric); (b) steam, air or mechanical hammers of rated sizes 2.5 tons up to and including 5 tons (English or metric).	Retain as new item 2015.	2015
2074	Forging machines, as follows: (a) Forging machines capable of operating on bar stock of a diameter exceeding 3.5 inches (8.9 cm) or of equivalent cross section; (b) Forging roll machinery.	Retain as new embargo item 1065.	1065
3008	Multi-station machine tools in which the work piece is indexed or transferred successively from station to station.	Retain as new item 2020.	2020
3010	External cylindrical grinding machines, centerless (whether or not automatic driving).	Delete.	
3011	Internal cylindrical grinding machines, mechanical or hydraulic feed, production type only (i.e., automatic feed, automatic driving, or emulsions).	Retain part of coverage as part (i) of 1060 and delete remainder.	
3012	Combined internal and external cylindrical grinding machines.	Delete.	
3017	Single-spindle surface grinders, n.o.s., with table width of 12 inches (30 cm) or more.	Delete.	
3018	Crankshaft, crankpin, and camshaft grinders, with capacity for shafts 48 inches (1.22 m) long or over, (ground) shoes not exceeding 5 metric or English tons total weight and designed for or equipped with a wheel head motor not exceeding 12 hp).	Delete.	
3034	Acie lathe	Delete.	
3090	Automatic milling machines (cyclo type) with tables 20 inches (50 cm) wide and over and/or 48 inches (1.22 m) long and over (ground horizontal spindle bed type covered by item 2090).	Retain by combining with 2090 to form new item 2010.	
3095	Horizontal draw-out shapers, hydraulic or mechanical, with a stroke of 10 inches (25 cm) or more.	Delete.	

*Signifies modified or new definition.

SECRET

SECRET

SECRET

CLASSIFICATION: METALLURGICAL, MECHANICAL AND CHEMISTRY RELATED ITEMS

SECRET

CURRENT I/L LISTINGS

PROPOSED REVISION OF I/L LISTINGS

I/L NO.	DEFINITIONS	ACTION	DELETED	NEW I/L NO.	SOURCE I/L NO.	DEFINITIONS
3067	Metal cutting and working tools (not incorporating diamonds) for metal operations as follows: (a) broaching tools (except those covered by item 1067); (b) gear cutting tools, (except hob); (c) forging roll sets.	Delete				
3068	Carbide and carbide-tipped cutting tools or dies for metal-working machinery, as follows: (a) special dies; (b) special dies; (c) inserts (type).	Delete				
3072	Presses, mechanical and hydraulic with rated pressures 1000 tons or less. (Eds: The "Eds" mentioned are those commonly used in the metal-forming industry of the exporting country.)	Delete				

✓ Further review still underway.

1/16: Delete most of the items; a review is necessary to determine whether the items should remain in this field provide a basis for any control.

2/7: It is believed that this item should be controlled at least by placement on the Metal List. It is not certain that this item is not covered by other items because of certain recent developments in the cold forging process of importance to the production of ammunition, some part of this item may warrant change.

SECRET

SECRET

SECRET CATEGORY: CHEMICAL AND PETROLIUM EQUIPMENT

SECRET 6.

CURRENT I/L LISTINGS

PROPOSED REVISION OF I/L LISTINGS

I/L NO.	DEFINITIONS	ACTION	EMBARGO	MARKET	ITEM NO.	SOURCE	DEFINITIONS
1101	Equipment specially designed for the production of nitrogen tetroxide and/or its conversion to nitric acid of 98 percent or higher concentration.	Retain as new embargo item 1101.	R		1101	1101	1101 - Equipment specially designed for the production of nitrogen tetroxide and/or its conversion to nitric acid of 98 percent or higher concentration. (Ortlevia - 4-b,c; ID - 4-b,c,d,e)
1106	Centrifugal counter-current solvent extractors.	Retain and expand to form new embargo item 1105.	R		1105	1106	1105 - Centrifugal counter-current extractors and specialized parts and controls thereof. (Ortlevia - b,c; ID - 4-b,c,d,e)
1110	Gas-liquifying equipment, as follows: (a) Liquid oxygen or liquid hydrogen producing plants specially designed to be mobile or transportable in one or more units; (b) gas-liquifying equipment; (c) equipment for the separation of helium from acetone.	Retain and expand in combination with item 1111. This action reflects increased use of such equipment for military purposes.	R		1110	1110	1110 - Gas-liquifying equipment, as follows: (a) Equipment for the separation of helium from natural gases; (b) Gas-liquifying equipment designed for operation at pressures of 300 psi or over, n.e.s., except equipment specially designed for liquifying chlorine and ammonia or steam; (c) Equipment for liquifying carbon dioxide. (Ortlevia - 4-b,c; ID - 4-b,c,d,e)
1112	Equipment for the production of hydrogen and deuterium oxides, as follows: (a) complete installations capable of producing hydrogen at a rate of 30,000 cu ft (850 cu m) or more per hour; (b) equipment for production or concentration of deuterium oxide; (c) electrolytic cells for the production of hydrogen at a rate of 60 cu ft (1.7 cu m) or more per hour.	Retain and expand in combination with item C-109 to form new embargo item 1115.	R		1115	1112	1115 - Equipment for the production of hydrogen and/or deuterium oxide, as follows: (a) Complete installations capable of producing hydrogen by the electrolytic process at a rate of 30,000 cu ft (850 cu m) or more per hour; (b) equipment for production or concentration of deuterium oxide; (c) electrolytic cells for the production of hydrogen at a rate of 60 cu ft (1.7 cu m) or more per hour; (d) hydrogen producing equipment utilizing gas-conducting or gas extraction processes and hydrogen purification equipment thereof. (Ortlevia - 4-b,c,d,e)
1118	Equipment for the production of military explosives, as follows: (a) complete installations; (b) specialized components (see list of key specialized components in Interpretive Note No. 4); (c) mixtures: batch types with a capacity of 125 Imperial gallons (570 liters) or more, and continuous types.	Retain as new embargo item 1120.	R		1120	1118	1120 - Equipment for the production of military explosives, as follows: (a) Complete installations; (b) Specialized components (see list of key specialized components in Interpretive Note No. 4); (c) Mixtures: batch types with a capacity of 125 Imperial gallons (570 liters) or more, and continuous types. (Ortlevia - 4-b,c,d,e)
1125	Plant for the production of titanium metal (excluding separate plant for the production of titanium tetrachloride), as follows: (a) complete installations; (b) specialized components; (c) specialized components.	Retain and expand to cover zinc-cadmium products using equivalent equipment and suitable process or recovery to form new embargo item 1125.	R		1125	1125	1125 - Plant for the production of titanium and zirconium metals (excluding separate plant for the production of titanium or zirconium tetrachloride), as follows: (a) Complete installations; (b) Specialized components; (c) Electric furnaces specially designed for the recovery of titanium or zirconium from scrap. (Ortlevia - 4-b,c; ID - 4-b,c,d,e)
1130	Compressors, n.e.s., of 300 hp or more capable of delivering air, gases or vapors at pressures exceeding 450 psi (32 kg per sq cm).	Retain as new embargo item 1130.	R		1130	1130	1130 - Compressors, n.e.s., of 300 hp or more capable of delivering air, gases or vapors at pressures exceeding 450 psi (32 kg per sq cm). (Ortlevia - 4-b,c,d,e)

*Signifies modified or new definition

SECRET

SECRET

SECRET

CATEGORY: SPECIAL AND PERTINENT EQUIPMENT

SECRET

CURRENT I/L LISTINGS PROPOSED CANCELLATION OF I/L LISTINGS

I/L NO.	DESCRIPTION	ACTION	PROPOSED CANCELLATION DATE	REASON FOR CANCELLATION	REMARKS
2129	Pumps (except vacuum pumps and those pumps covered by items 1131(a) and 1131(c)) delivering liquids separately or in combination with solids and/or gases and having (1) flow control sections and/or (2) flow control sections of vacuum or nitrogen, either separately or combined.	Retain and expand with item 1131 to form new embargo item 1135.			
2133	Pipe valves and cocks having all flow contact surfaces made of 10 percent or more aluminum or nickel, either separately or combined; (a) the following types of valves: (1) check, non-return and float valves; (2) pressure relief valves; (3) valves of less than 450 psi (32 kg per sq cm); (c) valves and cocks specially designed for milling machines and for electrical household refrigerators and home freezers.	Retain and expand in combination with item 1133 to form new embargo item 1145.			
2134	Steel pipe, casting and tubing, as follows: (a) (61 mm) outside diameter, conforming with API specifications for line pipe; (b) welded or seamless steel casting and tubing, conforming with API specifications for all country tubular products.	Retain and combine with item 1134 to form new watch item 2105.			
2107	Equipment for the production of chlorine (gaseous or liquid), sodium or magnesium.	Deletae.			
2120	Processing equipment operating at pressures over 450 psi (32 kg per sq cm).	Retain and expand in combination with items 2142 and C-113 to form new watch item 2115.			
			2115	2120 2142 C-113	2115 - General process equipment, as follows: (a) corrosion-resistant equipment, n.e.s., the following: (1) pipes, tubing and fittings; (2) pumps, agitators and compressors; (3) heat exchangers; (4) reactor vessels; (5) storage and transportation containers. (b) equipment, n.e.s., operating at 450 psi or over, as follows: (1) pipes, tubing and fittings; (2) pumps, agitators and compressors; (3) heat exchangers; (4) reactor vessels. (c) reactor vessels. (Cancellations - 21, 22 - b,c)
New Item			2	1170	1170 - Equipment, n.e.s., specially designed for production of: (1) polyethylene; (2) polypropylene; (3) polystyrene; (4) other plastics possessing any of the following characteristics (under development); (5) other plastics possessing any of the following characteristics (under development): (a) high modulus of elasticity; (b) high strength; (c) high impact strength; (d) high temperature stability; (e) high chemical resistance. (Cancellations - 21, 22 - b,c,d,e)
New Item			E	1175	1175 - Containers for the storage or transportation of gases, as follows: (a) liquefied gas containers of 90 gallons capacity or over (e.g., for liquid nitrogen, oxygen, hydrogen, ozone, helium); (b) containers specially designed for nitric acid of 90% concentration or higher or for hydrogen peroxide of 50% concentration or higher; (c) transport equipment, n.e.s., handling such containers. (Cancellations - 21, 22 - b,c,d,e)

* Statistics modified or new definition
 ✓ Additional plastics or resins may be added to this definition and the specifications for (3) and (5) under following receipt of further technical information which has been requested.

SECRET

SECRET

SECRET

CATEGORY: CHEMICAL AND PETROLEUM EQUIPMENT

SECRET

CURRENT I/L LISTINGS		PROPOSED REVISION OF I/L LISTINGS			
I/L NO.	DESCRIPTIONS	ACTION	REASON	DATE	BY
				MM/YY	NAME
3124	Cast iron shafts for gyrates rotators.	Delete.			
3132	Vacuum pumps, no.-s, all types, designed to produce a vacuum of 0.1 mm of mercury pressure absolute or less; and specially designed parts.	Retain and combine with part of C-132 to form new which item 2101.			
3132				W	2101
3132					3132
					pc-132
					*2101 - Vacuum pump, mechanical and ejector, no.-s, which (a) are designed to produce a vacuum of 50 mm of mercury pressure absolute or less; (b) produce absolute or less; (c) produce of vacuum produced, are fabricated of or lined with or corrosion-resistant material. (category - 9, 12 - none)
3132	Pipe and tubing made of or lined with polyethylene.	Retain and expand in combination with items 3120 and C-113 to form new which item 2115.			
3134	Welded or seamless steel pipe of 24 inches (61 cm) outside diameter or less, conforming with API specifications for line pipe.	Delete.			
3134				V	2110
					C-106
					*2110 - Vacuum freeze-drying equipment as follows: (a) complete installation; (b) specialized parts as follows: (1) centrifugal vacuum spin freezing apparatus (category - 9, 12 - 9,9)

* signifies modified or new definition

SECRET

SECRET

SECRET

CATEGORY: ELECTRICAL AND POWER GENERATING EQUIPMENT

SECRET

12.

I/L NO.	DEFINITIONS	ACTION	PROPOSED REVISION OF I/L LISTINGS		DEFINITIONS
			REVISED ITEM NO.	SYNOPSIS ITEM NO.	
3202	Electrodes for underwater cutting by the arc-oxygen process.	Delete			
3256	Diesel engines, n.e.s., as follows: (a) 300 to 800 hp with rotary speeds of 600 rpm or over; (b) 800 hp or over, with rotary speeds of 400 rpm or over; (c) 1,500 hp or over, with rotary speeds of 200 rpm up to but not including 400 rpm.	Delete			
3265	Electric motors, n.e.s., of 500 hp up to but not including 5,000 hp; and automatic and semi-automatic equipment for starting, stopping, reversing and speed control for these motors.	Retain and combine with items 2265 and parts of 2266 to form new item 1159 2205.			

SECRET

SECRET

SECRET

CATEGORY, GENERAL INDUSTRIAL EQUIPMENT

SECRET

CURRENT/IL LISTINGS

PROPOSED REVISION OF I/L LISTINGS

I/L NO.	DEFINITIONS	ACTION	REASON	VALUE	NEW ITEM NO.	SOURCE ITEM NO.	DEFINITIONS
1354	Cable-welding machinery specially designed for making coaxial cables, as follows: (a) machines for applying insulating equipment to the inner conductor of air-spaced coaxial electric cables; (b) machines for applying metal strip or sheet to form the outer conductor of coaxial electric cables; (c) machines for forming, stranding, or assembling coaxial cables, with or without conductors other than coaxial tubes; (d) automatic equipment for controlling the diameter or the eccentricity of extruded dielectric on wires and cables.	Reverts to form new embargo item 1565.	R		1564	1354	1564 - Cable-welding machinery specially designed for making coaxial cables, as follows: (a) machines for applying insulating equipment to the inner conductor of air-spaced coaxial electric cables; (b) machines for applying metal strip or sheet to form the outer conductor of coaxial electric cables; (c) machines for forming, stranding, or assembling coaxial cables, with or without conductors other than coaxial tubes; (d) automatic equipment for controlling the diameter or the eccentricity of extruded dielectric on wires and cables. (Criteria - a, b, c; ID - a, b, c)
1355	Radio-valve manufacturing machinery.	Reverts and amend to form new embargo item 1560.	R		1560	1355	1560 - Equipment, n.s.a.s., specially designed for the production of components for and the assembly of electronic valves, transformers or crystal diodes. (Criteria - a, b, c; ID - a, b, c, d, e)
1380	Compressors and blowers as follows: (a) (1) turbo-compressors or blowers capable of operating with a maximum internal air flow exceeding a Mach No. of 0.71; (2) turbo-compressors or blowers of radial flow type with a compression ratio of 2:1 or more and capable of operating with a maximum internal air flow exceeding a Mach No. 0.71; (b) compressors or blowers capable of an overall compression ratio of 2:1 or more coupled with a capacity of over 124,000 cu. ft. (3,500 cu. m) per minute, or capable of an overall compression ratio of over 2:1 coupled with a capacity of over 3:1 coupled with a capacity of over 35,300 cu. ft. (1,000 cu. m) per minute; (c) compressors or blowers capable of handling a mass flow of over 2,500 lbs. (1,134 kg) per minute and designed for operating with intake above atmospheric pressure.	Reverts to form new embargo item 1310.	R		1310	1380	1310 - Compressors and blowers as follows: (a) (1) turbo-compressors or blowers capable of operating with a maximum internal air flow exceeding a Mach No. of 0.71; (2) turbo-compressors or blowers of radial flow type with a compression ratio of 2:1 or more and capable of operating with a maximum internal air flow exceeding a Mach No. 0.71; (b) compressors or blowers capable of an overall compression ratio of 2:1 or more coupled with a capacity of over 124,000 cu. ft. (3,500 cu. m) per minute, or capable of an overall compression ratio of over 2:1 coupled with a capacity of over 3:1 coupled with a capacity of over 35,300 cu. ft. (1,000 cu. m) per minute; (c) compressors or blowers capable of handling a mass flow of over 2,500 lbs. (1,134 kg) per minute and designed for operating with intake above atmospheric pressure. (Criteria - a, b, c; ID - b, c)
1385	Diamonds suitable for industrial use, including splitters and boras. (Notes: Interpreted to include industrial diamonds, dust and powder. Also interpreted to include rough cuttable diamonds suitable either for gem stones or industrial diamonds.)	Reverts to form new embargo item 1070.	R		1070	1385	1070 - Diamonds suitable for industrial use, including splitters and boras. (Notes: Interpreted to include industrial diamonds, dust and powder. Also interpreted to include rough cuttable either for gem stones or industrial diamonds.) (Criteria - c; ID - c)
1386	Diamond wire drawing dies, diamond dressers, diamond boring and turning tools, and diamond core drill bits.	Reverts to form new embargo item 1075.	R		1075	1386	1075 - Diamond wire drawing dies, diamond dressers, diamond boring and turning tools, and diamond core drill bits. (Criteria - c; ID - none)
1387	Diamond grinding wheels, sticks, boxes and taps.	Reverts to form new embargo item 1080.	R		1080	1387	1080 - Diamond grinding wheels, sticks, boxes and taps. (Criteria - c; ID - c)
2568	Electronic automatic controlling units, whether or not including regulating valves, designed to regulate the flow of one or more industrial process variables and capable of operating a regulating valve by pneumatic, hydraulic or electric means in response to an AC or DC voltage produced by a measuring unit in the process stream. (Notes: "Controlling unit" means the unit comprising those elements which apply control action to the regulating unit in response to an error signal, when it determines the desired value with the value of the controlled condition as indicated by the measuring unit.)	Reverts as new embargo item 1315.	R		1315	2568	1315 - Electronic automatic controlling units, whether or not including regulating valves, designed to regulate flow by process variables and capable of operating a regulating valve by pneumatic, hydraulic or electric means in response to an AC or DC voltage produced by a measuring unit in the process stream. (Notes: "Controlling unit" means the unit comprising those elements which apply control action to the regulating unit in response to an error signal, when it determines the desired value with the value of the controlled condition as indicated by the measuring unit.) (Criteria - b, c; ID - a, b, c, d, e)

* Signifies new or modified definition.

SECRET

SECRET

SECRET CATEGORI: GENERAL INDUSTRIAL EQUIPMENT

SECRET

CURRENT I/L LISTINGS PROPOSED REVISION OF I/L LISTINGS

I/L NO.	DEFINITIONS	ACTION	ISSUANCE DATE	REV. NO.	START DATE	END DATE	DEFINITIONS
2580	Continuous measuring pH equipment of the following types, whether separate or as components of other pH equipment: (a) electrode assemblies of the flow or immersion type which include a reference electrode element and a glass electrode of 250 megohm or higher at 25°C; (b) amplifiers which include automatic temperature compensation as a function of the amplifier and are designed to operate with an input current of 10.12 amperes.	Retain as new watch item 2301.	N	2301	2580		2301 - Continuous measuring pH equipment of the following types, whether separate or as components of other pH equipment: (a) electrode assemblies of the flow or immersion type which include a reference electrode element and a glass electrode of 250 megohm or higher at 25°C, resistant to 25°C; (b) amplifiers which include automatic temperature compensation as a function of the amplifier and are designed to operate with an input current of 10.12 amperes. (Criteria - c; D - b,c)
3302	Casting equipment, as follows: (a) die-casting and centrifugal casting machines (except special artillery casting machines as covered by Item 1066); (b) equipment or plants for continuous casting of metals into partially-processed mill product forms.	Retain, except for die-casting machines* to form new watch item 2305.	N	2305	3302		*2305 - Casting equipment, as follows: (a) die-casting machines and centrifugal casting machines (except special artillery casting machines covered by Item 1066); (b) equipment or plants for continuous casting of metals into partially-processed mill product forms. (Criteria - c; D - b,c)
3323	Power-operated excavators, shovels of the excavator type, and cranes (except those covered by Item 3221).	Retain mobile types to form new watch item 2310. Include remaining cranes.	N	2310	3323		*2310 - Power operated cranes, excavators, and excavator shovels, mobile types, and cranes (except those covered by Item 3221). (Criteria - b;c; D - b,c)
Item Item		A new watch item 2315 was developed to cover motor types of lift trucks.	N	2315	pc-201		*2315 - Fork lift and platform lift trucks with load capacity greater than 3000 lbs. or lift capacity in excess of 1000 lbs. (Criteria - c; D: none)
Item Item		A new watch item 2320 was developed to cover concrete types of concrete mixers and immersion cranes and conveyors in light of Standardization, current production and one processing.	N	2320	pc-201		*2320 - Concrete and mixing equipment, as follows: (a) concrete mixers, stationary or mobile, of 1 cu. yd. batch capacity or larger; (b) equipment, stationary or mobile used for processing 50 tons or more of rock or ore per hour, the following: (1) portable cone and jaw crushers; (2) portable gyratory crushers; (3) aggregate crushers; (4) aggregate screening and washing plants. (Criteria - b;c; D - b,c)
Item Item		A new watch item 2325 was developed to reflect increased size-grades here used for underground drilling equipment.	N	2325	pc-321		*2325 - Underground mining and tunneling equipment, as follows: (a) drilling, cutting and/or loading equipment as follows: (1) combination cutters and unit loading equipment; (2) cutting machines, treadless types; (3) rock-drill cutting end arms; (4) rock-drill cutting end bits; (5) specially designed cutting machines; (b) self-propelled underground tractors, tracklaying and rubber tired types, specially designed, as follows: (1) for hauling of materials, rock, equipment or supplies, and/or (2) as carrier for mounting of the following auxiliary equipment: (a) rock-drill cutters, compressors, conveyors, millers, rock crushers, compressors, conveyors. (Criteria - b;c; D - b,c)

* Signifies new or modified definition.

SECRET

SECRET

SECRET CLASSROOM TRANSCRIPTION EQUIPMENT

SECRET

CURRENT I/L LISTINGS

PROPOSED REVISION OF I/L LISTINGS

I/L NO.	DEFINITIONS	ACTION	SEARCHO	WATCH	NEW ITEM NO.		SWITCH ITEM NO.	DEFINITIONS
					I/L101	I/L102		
1401	Practicing docks.		3		I/L101	I/L101		(Reference)
1405	Icebreakers of 2000 shaft hp and over; and smaller vessels periodically designed for breaking ice having any of the following: (a) bow propellers; (b) special hull shapes; (c) propulsion plant permitting quick reversing and development of maximum power at all speeds; (d) stern motor arrangements for towing operations; (e) electrical supplies and power facilities.	Reclass in combination with items 1405, 1410, 1415, 2413(a) and parts of 1416 and 1417 to form new embargo item 1401.				I/L105	I/L105	(a) icebreakers of 2,000 shaft hp and over and smaller vessels having any of the following: (1) bow propellers; (2) special hull shapes; (3) propulsion plant permitting quick reversing and development of maximum power at all speeds; (4) stern motor arrangements for towing operations; (5) electrical supplies and power facilities.
1410	Tankers; bulk barges; whaling factories.	Reclass in combination with items 1401, 1405, 1415, 2413(a) and parts of 1416 and 1417 to form new embargo item 1401.				I/L105	I/L105	(a) tankers; bulk barges; whaling factories. (b) excessive electrical facilities. (c) tankers; bulk barges; whaling factories, non-military uses of propellers or stern motor arrangements for towing operations; and hulls or parts of hulls for such ships. (d) fishing vessels and hulls therefore, the following: (1) whale cutters of the following types: (a) 2001 (60 m) or more in length between perpendiculars; (b) total round trip range at design speed above 7,000 miles, in fishing condition; (c) incorporating any of the following: (1) deck or hull strengthening for weapons or special construction to accommodate or carry military equipment; (2) bow or stern doors; (3) hull design suitable for direct beaching; (4) bow or stern doors; (5) electrical generating capacity in abnormal excess of the needs for the vessel as a fishing vessel; (6) strengthening against ice beyond the requirements of Lloyd's classification societies; (7) any arrangements for demagnetizing or the provision of non-magnetic characteristics; (8) electrical generating capacity in abnormal excess of the needs for the vessel as a fishing vessel; (9) strengthening against ice beyond the requirements of Lloyd's classification societies; (10) incorporating any hullsions list item 1405, 1410, 1415, 1435, 1495 (except the types specified in Interim-Active Note No. 5) 1502, 1509, 1510.
1415	Warships (other than those converted to non-military use and requirements of emergency operating condition); and hulls, or parts of hulls, for such ships.	Reclass in combination with items 1401, 1405, 1410, 1415, 2413(a) and parts of 1416 and 1417 to form new embargo item 1401.				I/L105	I/L105	(a) warships (other than those converted to non-military use and requirements of emergency operating condition); and hulls, or parts of hulls, for such ships. (b) total round trip range at design speed above 7,000 miles, in fishing condition; (c) incorporating any of the following: (1) deck or hull strengthening for weapons or special construction to accommodate or carry military equipment; (2) bow or stern doors; (3) hull design suitable for direct beaching; (4) bow or stern doors; (5) electrical generating capacity in abnormal excess of the needs for the vessel as a fishing vessel; (6) strengthening against ice beyond the requirements of Lloyd's classification societies; (7) any arrangements for demagnetizing or the provision of non-magnetic characteristics; (8) electrical generating capacity in abnormal excess of the needs for the vessel as a fishing vessel; (9) strengthening against ice beyond the requirements of Lloyd's classification societies; (10) incorporating any hullsions list item 1405, 1410, 1415, 1435, 1495 (except the types specified in Interim-Active Note No. 5) 1502, 1509, 1510.
1416	Fishing vessels and hulls therefore, having any of the following specifications: (a) total round trip range at design speed above 100 feet (30 m) or more in length; (except the following vessels when their speed is not more than 10 knots and their electric generating capacity is under 35 Kw: (1) boats and tuna vessels under 130 feet (40 m) in length between perpendiculars, other than those of the special types for line fishing vessels under 130 feet; (2) seal fishing vessels under 130 feet; (3) fishing cutters (Scandinavian type) under 100 feet (30 m) in length; (4) 2001 (60 m) or more in length between perpendiculars; (5) total round trip range at design speed above 7000 miles, in fishing condition; (6) incorporating any of the following special features: (1) deck or hull strengthening for weapons or special construction to accommodate or carry military equipment; (2) bow or stern doors; (3) hull design suitable for direct beaching; (4) any arrangements for demagnetizing or the provision of non-magnetic characteristics; (5) electrical generating capacity in abnormal excess of the needs for the vessel as a fishing vessel; (6) strengthening against ice beyond the requirements of Lloyd's classification societies; (7) incorporating any hullsions list item 1405, 1410, 1415, 1435, 1495 (except the types specified in Interim-Active Note No. 5) 1502, 1509, 1510.	Reclass most of this item in combination with items 1401, 1405, 1415, 2413(a) and parts of 1416 and 1417 to form new embargo item 1401.				I/L105	I/L105	(a) fishing vessels and hulls therefore, having any of the following specifications: (1) total round trip range at design speed above 100 feet (30 m) or more in length; (except the following vessels when their speed is not more than 10 knots and their electric generating capacity is under 35 Kw: (1) boats and tuna vessels under 130 feet (40 m) in length between perpendiculars, other than those of the special types for line fishing vessels under 130 feet; (2) seal fishing vessels under 130 feet; (3) fishing cutters (Scandinavian type) under 100 feet (30 m) in length; (4) 2001 (60 m) or more in length between perpendiculars; (5) total round trip range at design speed above 7000 miles, in fishing condition; (6) incorporating any of the following special features: (1) deck or hull strengthening for weapons or special construction to accommodate or carry military equipment; (2) bow or stern doors; (3) hull design suitable for direct beaching; (4) any arrangements for demagnetizing or the provision of non-magnetic characteristics; (5) electrical generating capacity in abnormal excess of the needs for the vessel as a fishing vessel; (6) strengthening against ice beyond the requirements of Lloyd's classification societies; (7) incorporating any hullsions list item 1405, 1410, 1415, 1435, 1495 (except the types specified in Interim-Active Note No. 5) 1502, 1509, 1510.

* indicates new or modified definition.
1/ - see following page

SECRET

SECRET

SECRET

CATON. TRANSPORTATION EQUIPMENT

SECRET

I. Prohibitions on Incorporation of Objectively Prohibited Items Into Vessels Being Sold to the Sino-Soviet Bloc.

With respect to the construction of new ships for the Sino-Soviet Bloc and the sale or fitting out of second-hand ships for sale to the Sino-Soviet Bloc, member government should take such steps as may be necessary to:

(1) Avoid the incorporation of any of the following features:

- (a) Special strengthening or construction to facilitate fitting of weapons or warlike equipment;
- (b) Fitting of protective armor or any defensive structures;
- (c) Preparation for the installation of degaussing or demagnetizing equipment;
- (d) Abnormal fuel capacity;
- (e) Abnormal electrical generating capacity.

(2) Avoid the installation of functions list items and to remove them before sale if already installed.

(3) Avoid the installation of the following list I items and to the maximum extent possible to arrange their removal before sale if already installed:

- (a) Canals (watertows) suitable for harbor defense purposes and minesweeping. (IL 1405);
- (b) Minesweeping equipment (except Type (IL 1435));
- (c) Minesweeping equipment (IL 1435);
- (d) Operations equipment of a kind using infra-red radiation or ultrasonic waves; and specialized parts therefor. (IL 1502);
- (e) Location apparatus, main-actors; apparatus for detecting or locating objects under water by magnetic or acoustic or seismic methods (except marine depth sounders of a distance of submerged objects vertically below the apparatus), and specialized components of such apparatus. (IL 1510);
- (f) Marine radar equipment. (Included in IL 1509 and 1512).

(4) Subscribers, wherever possible, have adequate means in place at the following list I items:

- (a) Diesel engines (types described in IL 1201);
- (b) Electric motors (types described in IL 1205).

II. Completion of New Ships.

Work which contributes significantly to the completion of a new ship for the Sino-Soviet Bloc should be governed by the same rules as the construction of a complete ship for the Bloc, i.e., the completion of list I ships should be prohibited and that of Hatch list I ships should be treated under the provisions of the Hatch list.

III. Shipyard and Alterations to Vessels Owned by the Sino-Soviet Bloc.

(1) Any work which would lead to transferring a vessel or hull into a vessel appearing on list I or the functions list should be prohibited.

(2) All repairs or alterations entailing the installation or replacement of any part or equipment included in any of the functions list, or anything in the additional list, should be prohibited.

(3) In any case where paragraph III (2) above conflicts with national law or international law, the provisions of national law or international law shall prevail. Where applicable the Commission will be informed of such exceptions.

IV. Prohibitions on Harbort Characterizing to the Sino-Soviet Bloc.

(1) The objectives of the controls on the sale of vessels should not be frustrated by harbort characterizing.

(2) Accordingly, it is agreed to take such steps as may be possible to prevent the characterizing of any category type vessels under harbort arrangements and Hatch list type vessels under such arrangements to an extent which would defeat the controls on such vessels.

(3) In permitting harbort characterizing to a Sino-Soviet Bloc country, governments should bear in mind that an operation of this nature might have the same disadvantages, from the strategic point of view, as the sale of a vessel.

SECRET

SECRET

SECRET

CARROLL: TRANSPORTATION EQUIPMENT

CURRENT I/L LISTINGS

PROPOSED REVISION OF I/L LISTINGS

SECRET

I/L NO.	DEFINITIONS	ACTION	REMOVED	ADDED	NEW ITEM NO.	NEW SOURCE ITEM NO.	DEFINITIONS
1471	Pushing locomotives, as follows: (a) general service (line) switching and industrial locomotives of a gauge greater than 4 ft., 8 in. (1,422 mm) or with an individual axle load greater than 12 metric tons; item 12 (b) parts specially designed for the above locomotives.	Retain as new embargo item 1425.	R		1425	1471	1425 - Pushing locomotives, as follows: (a) general service (line) switching and industrial locomotives of a gauge greater than 4 ft., 8 in. (1,422 mm) or with an individual axle load greater than 12 metric tons; (b) parts specially designed for the above locomotives. (Criteria - b; D - 4,b,c,d.)
1481	Centralized traffic control (CTC) system of railway signalling controlled by code impulses and parts specially designed therefor.	Retain as new embargo item 1430.	R		1430	1481	1430 - Centralized traffic control (CTC) system of railway signalling controlled by code impulses and parts specially designed therefor. (Criteria - b,c; D - 4,b,c,d)
1485	Compass and gyroscopic equipment, as follows: (a) gyro compasses; (b) transmitting magnetic compasses; (c) gyro-magnetic compasses; (d) repeaters for these compasses; (e) gyroscopic stabilizers; (f) gyroscopic steering controls.	Retain as new embargo item 1435.	R		1435	1485	1435 - Compass and gyroscopic equipment, as follows: (a) gyro compasses; (b) transmitting magnetic compasses; (c) gyro-magnetic compasses; (d) repeaters for these compasses; (e) gyroscopic stabilizers; (f) gyroscopic steering controls. (Criteria - 4,b,c; D - 4,b,c,d,e)
2401	Drivage and specialized drudge equipment and components, such as grabs, buckets, cutters, loaders, centrifugal pumps, and floating and shore piers.	Retain as new vehicle item 2401.		V	2401	2401	2401 - Drivage and specialized drudge equipment and components, such as grabs, buckets, cutters, loaders, centrifugal pumps, and floating and shore piers. (Criteria - b; D - 4,b)
2405	Revolvers of under 2000 short hp and similar mechanisms for breaking ice having any of the following: (a) bow propeller; (b) special hull shape; (c) propulsion plant generating quick reversing and development of maximum power at all speeds; (d) stern endia arrangements for working operations; (e) receiver electrical supplies and pumping facilities.	Delists.					
2415	Other vessels (exclusive of types covered by item 1417), as follows (S&L hulls, or parts of hulls therefor): (a) merchant ships having (1) a gross tonnage over 7000 gross registered tons, independent of 12 hull, or (2) an operating speed in excess of over 12 knots; (b) delisted less item 2416; (c) merchant ships, n.e.s.; (d) other vessels, n.e.s.; over 40 feet (12 m) in length or over 50 hrt hp (or equivalent). (Note: Sub-item 2415a is subject to a special interpretation.)	Retain part of (a) and combine items 1401, 1405, 1410, 1415 and part of 1416 and 1417 to form new embargo item 1401. Retain items (b) (c) and (d) as items new under item 2405.		V	2405	1415(a)	2405 - Steam-gring ships (including coasters but excluding fishing vessels) n. s.s. (Criteria - c; D - b)
2416	Fishing vessels and hulls therefor, with length between perpendiculars over 50 feet (15 m), except those covered by items 1416 and 1416.	Delists.					
2430	Automotive vehicles or chassis, having front and rear drives, n.e.s.; and specially designed parts therefor.	Retain coverage of military types in combination with item 1450 and coverage of items 1450 to 1459 from new embargo item 1450. Delists remaining coverage.					
2479	Roll cars with a load capacity of 80 tons or over.	Retain in combination with items 1472, 1479 and part of 1474 to form new vehicle item 2410.		V	2410	2479	2410 - Railway rolling stock with 4 or more axles. (Criteria - c; D - b)

* Signifies new or modified definition.

SECRET

SECRET

SECRET

CURRENT TRANSPORTATION EQUIPMENT

SECRET

CURRENT I/L LISTINGS		PROPOSED REVISION OF I/L LISTINGS					
I/L NO.	DEFINITIONS	ACTION	REMARKS	DATE	NEW I/L NO.	SOURCE I/L NO.	DEFINITIONS
3416	Fishing vessels, as follows: (a) steel hulls and tuna vessels over 50 feet (15 m) but under 130 feet (40 m) in length between perpendiculars, either fitted with spinnon platforms for line fishing or of the long line type: (b) cutters (i.e., small coastal fishing vessels), motor launch, and other fishing craft: (1) motor driven; (2) fitted with sailing equipment; (3) length between perpendiculars over 50 feet (15 m) but no over 81 ft. 3 in. (25 m); (4) beam not over 21 ft. 2 in. (6.4 m); (5) draught not over 8 ft. 1 in. (2.5 m); (6) engine not over 120 hp, including a normal electric generator not over 3 MW.	Delete.					
3490	Galvanized steel cable, rope, strand or cord, of all types with or without a textile or fibre core, containing one or more strands composed of three or more threads or wires, provided that any one such thread or wire has a tensile strength (breaking strength) of 100 kg per sq cm or more.	Delete.					
3441	Machine steam boilers, i.e., having a capacity to generate less than 11 lbs. of steam per sq. ft. (54 kg per sq m) of tubular heating surface at pressures of 450 psi (32 kg per sq cm) or more, and feed water heaters for such boilers.	Delete.					
3470	Diesel electric, diesel and electric locomotives, as follows: (a) general service (Type) switching and industrial locomotives of a gauge greater than 4 ft. 8 in. (1.42 m) or with an individual axle load greater than 12 metric tons; (b) parts specially designed for the above locomotives.	Delete.					
3472	Flat cars with a load capacity of 40 tons or over.	Retain in combination with items 2479, 3479 and part of 3474 to form new item 2410.					
3474	Tank cars (with) with a load capacity of over 10 tons.	Retain four or more axle types in combination with items 2479, 3472 and 3479 to form new vehicle item 2410. Delete remaining coverage.					
3477	Railway rails of 70 lbs. or more per linear yard (35 kg or more per meter).	Retain in combination with items 2479, 3472 and part of 3474 to form new vehicle item 2410.					
3479	Well cars with a load capacity from 40 tons up to, but not including, 80 tons.	Retain in combination with items 2479, 3472 and part of 3474 to form new vehicle item 2410.					
3481	Automatic (block type) railway signal systems (except CTC system covered by item 1281) and parts specially designed for such systems.	Retain as now which item 2415.			2415	3481	2415 - Automatic (block type) railway signal systems (except CTC system covered by item 1281) and parts specially designed for such systems. (Ordnance - of no - b)

SECRET

SECRET

SECRET

CARRIER, ELECTRONICS AND RECEPTION INSTRUMENTS

CURRENT I/L LISTINGS

PROPOSED REVISION OF I/L LISTINGS

SECRET

I/L NO.	DESCRIPTIONS	ACTION	REMARKS	DATE	SOURCE	DESCRIPTIONS
				NO.	NO.	
1501	Communication equipment specially designed for use in aircraft or for communicating with aircraft; and specialized parts therefor.			1501	1501	1501 - Communication equipment specially designed for use in aircraft or for communicating with aircraft; and specialized parts therefor. (Criteria - a, b; D - a, b, c)
1502	Communication equipment of a kind using infra-red radiation or ultra-violet waves; and specialized parts therefor.			1502	1502	1502 - Communication equipment of a kind using infra-red radiation or ultra-violet waves; and specialized parts therefor. (Criteria - a, b, c; D - a, b, c)
1507	"Jamming" apparatus (i.e., apparatus specially designed to jam or otherwise interfere with radio reception); and specialized parts therefor.			1507	1507	1507 - "Jamming" apparatus (i.e., apparatus specially designed to jam or otherwise interfere with radio reception); and specialized parts therefor. (Criteria - a; D - a, b, c)
1509	Location apparatus as follows: (a) apparatus of a kind used for detecting objects or for determining the relative direction, position, or motion of objects by means of the constant velocity or rectilinear propagation characteristics of electro-magnetic waves having frequencies less than 4 x 10 ⁴ cycles per second (0.75 meters) (GMSB) radio direct finding equipment of a kind used at frequencies not greater than 3 megacycles per second; and (b) specialized parts and accessories of such apparatus.			1509	1509	1509 - Location apparatus as follows: (a) apparatus of a kind used for detecting objects or for determining the relative direction, position, or motion of objects by means of the constant velocity or rectilinear propagation characteristics of electro-magnetic waves having frequencies less than 4 x 10 ⁴ cycles per second (0.75 meters) (GMSB) radio direct finding equipment of a kind used at frequencies not greater than 3 megacycles per second; and (b) specialized parts and accessories of such apparatus; (c) specialized equipment for testing or calibrating such apparatus. (Criteria - a, b; D - a, b, c)
1510	Location apparatus, under-water; apparatus for detecting or locating objects under water by magnetic or acoustic or ultrasonic methods (acoustic wave depth sounders of a kind used solely for measuring the depth of water or the distance of submerged objects vertically below the apparatus); and specialized components of such apparatus.			1510	1510	1510 - Location apparatus, under-water; apparatus for detecting or locating objects under water by magnetic or acoustic or ultrasonic methods (acoustic wave depth sounders of a kind used solely for measuring the depth of water or the distance of submerged objects vertically below the apparatus); and specialized components of such apparatus. (Criteria - a, b; D - a, b, c)
1514	Radio modulators capable of providing electric impulses of peak power exceeding 10 W; and pulse-formers and pulse-forming equipment being specialized parts of such modulators.			1514	1514	1514 - Radio modulators capable of providing electric impulses of peak power exceeding 10 W; and pulse-formers and pulse-forming equipment being specialized parts of such modulators. (Criteria - a; D - a, b, c)
1516	Radio receivers, automatic (having receivers which search automatically a part of the radio-frequency spectrum and indicate visibly the signals received); and specialized parts therefor.			1516	1516	1516 - Radio receivers, automatic (having receivers which search automatically a part of the radio-frequency spectrum and indicate visibly the signals received); and specialized parts therefor. (Criteria - a; D - a, b, c)
1517	Radio transmitters and components as follows: (a) transmitters and transmitter amplifiers designed to operate: (1) at output carrier frequency between 100 and 150 mc/m, and/or (2) with output carrier frequency above 216 mc/m; (b) transmitters, or transmitter amplifiers, designed to operate with output carrier frequency higher than 30 mc/m and designed to provide any of the following features: (1) any system of pulse modulation other than envelope-modulated modulation; frequency-modulated modulation; or phase-modulated modulation; (2) two or more independent modulation channels on one radio frequency carrier; (3) simultaneous output at more than one radio frequency carrier frequency; (4) special facilities to give continuous operation (on any radio frequency carrier) in the intermediate frequency band (including the band of sidebands) of a frequency converter, automatic volume compression and expansion circuits, and automatic monitoring;			1517	1517	1517 - Radio transmitters and components as follows: (a) transmitters and transmitter amplifiers designed to operate: (1) at output carrier frequency between 100 and 150 mc/m, and/or (2) with output carrier frequency above 216 mc/m; (b) transmitters, or transmitter amplifiers, designed to operate with output carrier frequency higher than 30 mc/m and designed to provide any of the following features: (1) any system of pulse modulation other than envelope-modulated modulation; frequency-modulated modulation; or phase-modulated modulation; (2) two or more independent modulation channels on one radio frequency carrier; (3) simultaneous output at more than one radio frequency carrier; (4) special facilities to give continuous operation (on any radio frequency carrier) in the intermediate frequency band (including the band of sidebands) of a frequency converter, automatic volume compression and expansion circuits, and automatic monitoring;

SECRET

SECRET

SECRET

CATEGORY: INTERCOMS AND PROSECUTOR INSTRUMENTS

SECRET

CURRENT I/L LISTINGS

PROPOSED REVISIONS OF I/L LISTINGS

I/L NO.	DEFINITIONS	ACTION	SEARCH	INDEX	NO. ITR	NO. ITR	DEFINITIONS
1517	Continued	Retain as per embargo item 1513	X	1513	1517	1513 - Continued	(5) rapid selection, by means of preadjusted tuning controls, between four or more radio frequency carrier frequencies in equipment designed for operation in commercial working vehicles; GE between two or more radio frequency carrier frequencies in equipment not so designed; (6) modulation bandwidth greater than 4 kilocycles at any carrier frequency within any of the bands 30 to 41 mc/s, 68 to 87.5 mc/s, 100 to 108 mc/s; (7) carrier output power, for static and transportable sets, greater than 100 watts, and for mobile sets greater than 25 watts, at any carrier frequency within any of the bands 30 to 41 mc/s, 68 to 87.5 mc/s, 100 to 108 mc/s; (8) special facilities for uses other than sound or vision broadcasting, mobile communications, land mobile communications, or a radio sound or vision link to land broadcast stations;
1518	Radiocontrol equipment suitable for controlling pilotless aircraft and guided weapons.	Retain as new embargo item 1514	X	1514	1518	1514 - (a) equipment (mechanical, electrical, electro-mechanical, or electronic, used to translate the information contained in written or printed text into electrical waveforms suitable for transmission over communication circuits at speeds greater than 200 words per minute or 150 words per minute or 150 words per minute or 150 words per minute, whichever is the less; (b) equipment designed to accept such electrical waveforms and display the information from them in visible form; (c) specialized component parts and accessories for such equipment.	
1519	Telegraph equipment, as follows: (a) equipment (mechanical, electrical, electro-mechanical, or electronic, used to translate the information contained in written or printed text into electrical waveforms suitable for transmission over communication circuits at speeds greater than 200 words per minute or 150 words per minute or 150 words per minute, whichever is the less; (b) equipment designed to accept such electrical waveforms and display the information from them in visible form; (c) specialized component parts and accessories for such equipment.	Retain as new embargo item 1515	X	1515	1519	1515 - (a) equipment (mechanical, electrical, electro-mechanical, or electronic, used to translate the information contained in written or printed text into electrical waveforms suitable for transmission over communication circuits at speeds greater than 200 words per minute or 150 words per minute or 150 words per minute, whichever is the less; (b) equipment designed to accept such electrical waveforms and display the information from them in visible form; (c) specialized component parts and accessories for such equipment.	
1520	Radio relay communication equipment and specialized components and subassemblies therefor.	Retain as new embargo item 1516	X	1516	1520	1516 - (a) equipment (mechanical, electrical, electro-mechanical, or electronic, used to translate the information contained in written or printed text into electrical waveforms suitable for transmission over communication circuits at speeds greater than 200 words per minute or 150 words per minute or 150 words per minute, whichever is the less; (b) equipment designed to accept such electrical waveforms and display the information from them in visible form; (c) specialized component parts and accessories for such equipment.	

SECRET

SECRET

SECRET

CATEGORY: ELECTRONICS AND TEST/EQUIPMENT INSTRUMENTS

SECRET

CURRENT I/L LISTINGS		PROPOSED REVISION OF I/L LISTINGS					
I/L NO.	DEFINITIONS	ACTION	DISBURSO	MARKET	NEW ITEM NO.	SOURCE ITEM NO.	DEFINITIONS
1521	Amplifiers, as follows: (a) designed to operate at frequencies in excess of 100 Mc/ps (b) designed to operate at a bandwidth (defined as the portion of the frequency over which the power amplification does not drop to less than one-half of its maximum value) which exceeds 5 Mc/s or 10% of the mean frequency, whichever is less. (The mean frequency is defined as the arithmetic mean between the frequencies at which the power amplification is one-half of its maximum value.); (c) multi-channel telegraph terminal transmitting and receiving equipment; (d) specialized components, accessories and assemblies for the above equipment.	Retain as new embargo item 1517	E		1517	1521	Amplifiers, as follows: (a) designed to operate at frequencies in excess of 100 Mc/ps (b) designed to operate at a bandwidth (defined as the portion of the frequency over which the power amplification does not drop to less than one-half of its maximum value) which exceeds 5 Mc/s or 10% of the mean frequency, whichever is less. (The mean frequency is defined as the arithmetic mean between the frequencies at which the power amplification is one-half of its maximum value.); (c) multi-channel telegraph terminal transmitting and receiving equipment; (d) specialized components, accessories and assemblies for the above equipment.
1522	Line communications transmission equipment as follows: (a) terminal and intermediate receiver or amplifier equipment designed for distances exceeding 10 kilometers (more than 10 Km into, or in, a line communications system); (b) multi-channel telegraph terminal transmitting and receiving equipment; (c) specialized components, accessories and assemblies for the above equipment.	Retain as new embargo item 1518	E		1518	1522	Line communications transmission equipment as follows: (a) terminal and intermediate receiver or amplifier equipment designed for distances exceeding 10 kilometers (more than 10 Km into, or in, a line communications system); (b) multi-channel telegraph terminal transmitting and receiving equipment; (c) specialized components, accessories and assemblies for the above equipment.
1524	Communications submarine cable of all types.	Retain as new embargo item 1520	E		1520	1524	Communications submarine cable of all types.
1525	Coaxial type cables, single or multi-tube, as follows: (a) having an attenuation not exceeding 10 decibels per 100 feet (30.5 db) and a stranding wire ratio of 2 or less, when tested at 100 Mc/ps; (b) all air-spaced types; (c) all types with polyethylene or polyethylene-chloroethylene dielectric.	Retain in combination with C-2509 to form new embargo item 1521	E		1521	1525	Coaxial cable, single or multi-tube types. (Criteria - a,b,c; TD - a,b,c,d,e)
1526	Communications cable of any type containing more than one pair of conductors and containing any conductor (single or stranded) exceeding 0.9 mm in diameter.	Retain to form new embargo item 1523	E		1523	1526	Communications cable of any type containing more than one pair of conductors and containing any conductor (single or stranded) exceeding 0.9 mm in diameter. (Criteria - a,b,c; TD - a,b,c)
1529	Measuring instruments, as follows: (1) apparatus for measuring impedance, admittance, capacitance or inductance at frequencies in excess of 100 megacycles per second; (2) variable attenuators giving readings, accurate to less than plus or minus 5 percent of the indicated value expressed in decibels, frequency of 1 megacycle per second or above; (3) variable field strength measuring equipment, for frequencies at frequencies of 1 megacycle per second or above; (4) radio-frequency field strength measuring equipment; (5) frequency measuring equipment with an accuracy better than plus or minus 0.01 percent at frequencies over 30 kilocycles per second; (6) electronic stabilized power supplies delivering a DC output voltage by less than 1 percent of any input voltage variation within plus or minus 20 percent of the nominal, and/or (7) resistors by less than 0.1 percent of the maximum rated voltage between no load and maximum rated load;	Retain part (a),(7) and expand to form new embargo item 1522.	E		1522	1529	Electrical instruments, the following: (a) those operating at frequencies exceeding 300 Mc/ps; (b) those specially designed for measuring or testing electronic items appearing on List I. (Criteria - a,c; TD - a,b,c)

SECRET

SECRET

*Signifies new or modified definition.

SECRET

CATEGORY: ELECTRONICS AND PRECISION INSTRUMENTS

SECRET

24.

CURRENT I/L LISTINGS

PROPOSED REVISION OF I/L LISTINGS

I/L NO.	DESCRIPTION	ACTION	PARAGRAPH	WORTH	NEW TYPE NO.	SCIENCE TYPE NO.	DEFINITIONS
1529	Continued (7) those operating at frequencies exceeding 300 megacycles per second; (b) resistors, inductors, or capacitors, rated or variable, with a rated accuracy better than plus or minus 1 percent at 1 megacycle per second or any higher frequency; (c) apparatus for automatically sorting electronic components in respect of their electrical characteristics.						
1533	Radio spectrum analyzers (being apparatus capable of indicating the single-frequency components of multistimulus oscillations); and specialized parts of such analyzers.	Retain to form new embargo Item 1528.			1528	1533	1528 - Radio spectrum analyzers (being apparatus capable of indicating the single-frequency components of multistimulus oscillations); and specialized parts of such analyzers. (Criteria - a; TD - a,b,d)
1537	Special tuned circuits, as follows: (a) electromagnetic waveguides, resonant circuits, and radiators of a kind used at frequencies exceeding 600 megacycles per second; (b) articles or equipment incorporating or designed to be incorporated in, any such waveguide, circuit, or radiator.	Retain to form new embargo Item 1529			1529	1537	1529 - Special tuned circuits, as follows: (a) electromagnetic waveguides, resonant circuits, and radiators of a kind used at frequencies exceeding 600 megacycles per second; (b) articles or equipment incorporating or designed to be incorporated in, any such waveguide, circuit, or radiator. (Criteria - a,c; TD - a,b,c)
1541	Dehydro-ray tubes, as follows: (a) with screen diameter larger than 1/2 second; (b) with writing speeds of more than 3,000 kilowords per second; (c) with 2 or more electron guns.	Retain to form new embargo Item 1540. Delete part (c).			1540	1541	1540 - Dehydro-ray tubes, as follows: (a) with screen diameter larger than 1/2 second; (b) with writing speeds of more than 3,000 kilowords per second. (Criteria - a,b; TD - a,b,c)
1544	Crystal diodes specially designed for use at frequencies of 250 or more megacycles per second; and specialized parts thereof.	Retain to form new embargo Item 1532.			1532	1544	1532 - Crystal diodes specially designed for use at frequencies of 250 or more megacycles per second; and specialized parts thereof. (Criteria - a,b,c; TD - a,b,c,d,e)
1545	Transistors, with any number of electrodes, regardless of operating characteristics; and specialized parts thereof. (Note: A transistor is an electronic device incorporating a semiconductor material, in which the current flowing between two electrodes is controlled by the voltage or current at another electrode. It is designed to cover all devices incorporating a semiconductor material, whether or not they are used as amplifiers, oscillators, trigger devices, etc. in electronic circuits.)	Retain to form new embargo Item 1534.			1534	1545	1534 - Transistors, with any number of electrodes, regardless of operating characteristics; and specialized parts thereof. (Note: A transistor is an electronic device incorporating a semiconductor material, in which the current flowing between two electrodes is controlled by the voltage or current at another electrode. It is designed to cover all devices incorporating a semiconductor material, whether or not they are used as amplifiers, oscillators, trigger devices, etc. in electronic circuits.) (Criteria - a,b,c; TD - a,b,c,d,e)
1548	Photoelectric cells, as follows: (a) photoelectric cells with a peak sensitivity at a wave length longer than 12,000 Angstrom units; (b) phototransistors (photo-conductive cells) with a response time constant of one millisecond or less measured at the temperature at which the time constant is minimum. (Note: The time constant is defined as the time taken for the application of a light stimulus for the conversion of the final value of 1-1/e times the final value, i.e., 63% of the final value.)	Retain to form new embargo Item 1535 but revise wording of part (b) for clarity.			1535	1548	*1535 - Photoelectric cells, as follows: (a) photoelectric cells with a peak sensitivity at a wave length longer than 12,000 Angstrom units; (b) phototransistors (photo-conductive cells) with a response time constant of one millisecond or less measured at the temperature at which the time constant is minimum. (Note: The time constant is defined as the time taken for the application of a light stimulus for the conversion of the final value of 1-1/e times the final value.) (Criteria - a,b,c; TD - a,b,c)
1549	Photomultiplier tubes; and specialized parts thereof.	Retain to form new embargo Item 1537			1537	1549	1537 - Photomultiplier tubes; and specialized parts thereof. (Criteria - a; TD - a,b,c)

*Signifies new or modified definition.

SECRET

SECRET

SECRET

CATEGORY: ELECTRONICS AND PEDIESTRIAN INSTRUMENTS

SECRET

CURRENT I/L LISTINGS

PROPOSED REVISION OF I/L LISTINGS

I/L NO.	DEFINITIONS	ACTION	PARAGRAPH	WATCH	NEW I/L NO.	SOURCE I/L NO.	DEFINITIONS
1533	X-ray tubes (Thom discharge type).	Retain to form new embargo item 1539.	E		1539	1533	1533 - X-ray tubes (Thom discharge type). (Criteria - a,b,c - TD - a,b,c)
1555	Image converters and electronic storage tubes of commercial standard electrical broadcasting camera tubes and commercial standard X-ray amplifier tubes, but including vidicon tubes.	Retain to form new embargo item 1540			1540	1555	1540 - Image converters and electronic storage tubes of commercial standard electrical broadcasting camera tubes and commercial standard X-ray amplifier tubes, but including vidicon tubes. (Criteria - a,b; TD - a,b,c)
1558	Valves (tubes) electronic, and specialized parts, as follows: (a) valves whose output-input ratio at 300 megacycles per second is 50 percent or more of the output-input ratio at 20 megacycles per second when measured under the same operating voltages and load impedances; (b) those of a kind specially designed for use at frequencies of more than 250 megacycles per second; (c) those of a kind specially designed for use at frequencies of more than 250 megacycles per second and that can be passed through a diameter hole 1/2" in diameter; (d) those designed to withstand accelerations greater than 450g (g=acceleration under gravity, 1g, 384 cm/sec/sec).	Retain and amend to form new embargo item 1541.	E		1541	1558	1541 - Valves (tubes) electronic, and specialized parts, as follows: (a) valves whose output-input ratio at 300 megacycles per second is 50 percent or more of the output-input ratio at 20 megacycles per second when measured under the same operating voltages and load impedances; (b) those of a kind specially designed for use at frequencies of more than 250 megacycles per second; (c) those of a kind specially designed for use at frequencies of more than 250 megacycles per second and that can be passed through a hole 1/2" in diameter; (d) those designed to meet ruggedness specifications comparable to JMW-1; (e) those utilized for continuous operation at ambient temperatures in excess of 300° centigrade. (Criteria - a,b; TD - a,b,c,d,e)
1559	Hydron and Ignitron tubes as follows: (a) those rated for continuous operation with peak current and peak voltage exceeding 100 amperes and 9000 volts at a pulse repetition frequency of 100 pulses per second; (b) hydrogen hydron tubes of any rating. (c) Ignitron - any hot cathode gas-filled tube containing three or more electrodes, in which anode current flow is initiated by a control electrode; (d) Ignitron - any mercury pool (cold cathode) tube with three or more electrodes, in which discharge is initiated by an ignitor electrode.	Retain to form new embargo item 1542.	E		1542	1559	1542 - Hydron and Ignitron tubes as follows: (a) those rated for continuous operation with peak current and peak voltage exceeding 100 amperes and 9000 volts at a pulse repetition frequency of 100 pulses per second; (b) hydrogen hydron tubes of any rating. (c) Ignitron - any hot cathode gas-filled tube containing three or more electrodes, in which anode current flow is initiated by a control electrode; (d) Ignitron - any mercury pool (cold cathode) tube with three or more electrodes, in which discharge is initiated by an ignitor electrode. (Criteria - a,b; TD - a,b,c,d)
1563	Balances, electronic, capable of detecting differences in weight smaller than 10 micrograms; and specialized parts therefor.	Delete					
1565	Computers, electronic (except business-type calculating machines).	Retain and amend to form new embargo item 1543.	E		1543	1565	1543 - Electronic computers. (Criteria - a,b,c; TD - a,b,c)
1566	Equipment specially designed to produce electronic assemblies: (a) by depositing or printing on insulating panels (including plates and wafers), or otherwise forming in situ component parts other than basic wiring; or (b) by automatically inserting and/or soldering components on insulating panels (including plates and wafers) when wiring is applied by printing or other means.	Retain to form new embargo item 1544	E		1544	1566	1544 - Equipment specially designed to produce electronic assemblies: (a) by depositing or printing on insulating panels (including plates and wafers), or otherwise forming in situ component parts other than basic wiring; or (b) by automatically inserting and/or soldering components on insulating panels (including plates and wafers) when wiring is applied by printing or other means. (Criteria - a,b; TD - a,b,c,d,e)

*Signifies new or modified definition.

SECRET

SECRET

SECRET

CATEGORY: ELECTRONICS AND MEDICINE INSTRUMENTS

SECRET

CURRENT I/L LISTINGS		PROPOSED REVISION OF I/L LISTINGS				
I/L NO.	DEFINITIONS	ACTION	CHANGE WHICH	NEW I/L NO.	SOURCE I/L NO.	DEFINITIONS
1568	Control equipment, the following: (a) meters as follows: (1) current and voltage transformers, differential transformers, and transformers tested by the proportional voltage method; (2) torque types; (3) Transmitters and differential transformers rated to have an electrical error of 18 minutes or less when tested by the proportional voltage method; (4) Transmitters and differential transformers rated to have an accuracy of 1.5 degrees or less when tested by the dynamic method; (5) special instruments rated to have the same characteristics as (1) and (2) above, such as Micrograms and Synchro-Rels; (6) resolvers, including single-phase/sing- ϕ -phase, single-phase/two-phase, two phase/two-phase, and three-phase/two-phase types as follows: (1) with a rated electrical error of 0.5 degrees or less; (2) with a rated perpendicularity error between axes of 10 minutes or less; (3) with a rated null voltage of 10 millivolts or less per maximum volt output; (c) amplifiers, electric or magnetic, designed for use with resolvers, the following: (1) isolation types; (2) summing types; (3) linear induction potentiometers, as follows: (1) with a rated null voltage of 10 millivolts or less per maximum volt output; (2) with a rated null voltage of 10 millivolts or less per maximum volt output; (a) induction rate generators, as follows: (1) with a rated linearity of 1 percent or less; (2) with a rated signal-to-noise ratio of 50/1 or greater; (3) all temperature-compensated or temperature-corrected types; (4) servo motors (gear-head or plain), as follows: (1) with a rated signal-to-noise ratio of 50/1 or greater; (2) with a rated torque from power sources of more than 300 gramms per second; (2) designed to have a torque-to-inertia ratio of 3,500 radians per second per second or greater; (b) potentiometers, as follows: (1) linear potentiometers with a rated linearity of 0.1 percent or less; (2) non-linear potentiometers with a rated conformity of 1 percent or less.	Retain to form new embargo item 1545.	E	1545	1568	Control equipment, the following: (a) meters, as follows: (1) control types (transformers, differential types, and transformers) tested to have an accuracy of 18 minutes or less when tested by the proportional voltage method; (2) torque types; (3) Transmitters and differential transformers rated to have an electrical error of 18 minutes or less when tested by the proportional voltage method; (4) Transmitters and differential transformers rated to have an accuracy of 1.5 degrees or less when tested by the dynamic method; (5) special instruments rated to have the same characteristics as (1) and (2) above, such as Micrograms and Synchro-Rels; (6) resolvers, including single-phase/sing- ϕ -phase, single-phase/two-phase, two-phase, and three-phase/two-phase types as follows: (1) with a rated electrical error of 0.5 degrees or less; (2) with a rated perpendicularity error between axes of 10 minutes or less; (3) with a rated null voltage of 10 millivolts or less per maximum volt output; (c) amplifiers, electric or magnetic, designed for use with resolvers, the following: (1) isolation types; (2) summing types; (3) linear induction potentiometers, as follows: (1) with a rated null voltage of 10 millivolts or less per maximum volt output; (2) with a rated null voltage of 10 millivolts or less per maximum volt output; (a) induction rate generators, as follows: (1) with a rated null voltage of 10 millivolts or less per maximum volt output; (2) with a rated signal-to-noise ratio of 50/1 or greater; (3) all temperature-compensated or temperature-corrected types; (4) servo motors (gear-head or plain), as follows: (1) with a rated signal-to-noise ratio of 50/1 or greater; (2) with a rated torque from power sources of more than 300 gramms per second; (2) designed to have a torque-to-inertia ratio of 3,500 radians per second per second or greater; (b) potentiometers, as follows: (1) linear potentiometers with a rated linearity of 0.1 percent or less; (2) non-linear potentiometers with a rated conformity of 1 percent or less.
1572	Magnetometers of the following types: (a) fluxgates; (b) electron beam sensing; (c) permeamagnetic; (d) micromer; and specialized parts therefor.	Retain to form new embargo item 1546.	E	1546	1572	Magnetometers of the following types: (a) fluxgates; (b) electron beam sensing; (c) permeamagnetic; (d) micromer; and specialized parts therefor.
1572	Magnetic recorders and/or reproducers (other than those designed for voice or music) and specialized recording media, parts and components therefor.	Retain to form new embargo item 1547.	E	1547	1572	Magnetic recorders and/or reproducers (other than those designed for voice or music) and specialized recording media, parts and components therefor.

SECRET

SECRET

SECRET

CATEGORY: ELECTRONICS AND PROJECTION INSTRUMENTS

CURRENT I/L LISTINGS

PROPOSED REVISION OF I/L LISTINGS

SECRET

I/L No.	DEFINITIONS	ACTION	PARAGR	WAVE	REV ITER NO.	SCHEM ITER NO.	DEFINITIONS
1576	Centrifugal testing apparatus or equipment possessing any of the following characteristics: (a) driven by a motor or motors having a total rated horsepower greater than 400 h.p.; (b) capable of carrying a payload of 250 lb. or more; (c) capable of exerting a centrifugal acceleration of 8 or more "g" on a payload of 200 lb. or more.	Retain to form new embargo item 1569	3		1576	1569	Centrifugal testing apparatus or equipment possessing any of the following characteristics: (a) driven by a motor or motors having a total rated horsepower greater than 400 h.p.; (b) capable of carrying a payload of 250 lb. or more; (c) capable of exerting a centrifugal acceleration of 8 or more "g" on a payload of 200 lb. or more. (Ortertia - si; TD - a,b,c)
1577	Balloons, 1100 grams or more envelope weight deflated, capable of free flight but non-personal carrying.	Delete					
1579	Electron microscopes and the following parts therefrom: (a) electron gun; (b) electron objective projection and condenser lenses (magnetic or electrostatic).	Retain to form new watch item 2505.			1579	2505	Electron microscopes and the following parts therefrom: (a) electron gun; (b) electron objective projection and condenser lenses (magnetic or electrostatic). (Ortertia - a,b,c; TD - a,b,c,d,e)
1584	Optical curve generators (gratings, wavyforms, and positions) and parts, capable of producing spherical curves. (a) oscilloscope possessing any of the following characteristics: (1) a bandwidth greater than 5 megacycles (defined as the band of frequencies over which the loss does not exceed 3 decibels); (2) a time base shorter than 0.05 microseconds per centimeter; (3) controlling or designed for the use of multiple beam tubes, or tubes of 3 or more independent tubes; (4) an internal or external accelerating potential in excess of 5000 volts; (b) specialized parts and accessories, as follows: (1) oscilloscope camera; (2) amplifiers and pre-amplifiers with a bandwidth greater than 5 megacycles (defined as the band of frequencies over which the loss does not exceed 3 decibels).	Retain all but (a)(3) and (b) (1) to form new embargo item 1590. (New developments may be deleted (a)(3) and (b)(1))			1590	1584	Optical curve generators (gratings, wavyforms, and positions) and parts, capable of producing spherical curves. (a) oscilloscope possessing any of the following characteristics: (1) a bandwidth greater than 5 megacycles (defined as the band of frequencies over which the loss does not exceed 3 decibels); (2) a time base shorter than 0.05 microseconds per centimeter; (3) controlling or designed for the use of multiple beam tubes, or tubes of 3 or more independent tubes; (4) an internal or external accelerating potential in excess of 5000 volts; (b) specialized parts and accessories, as follows: (1) oscilloscope camera; (2) amplifiers and pre-amplifiers with a bandwidth greater than 5 megacycles (defined as the band of frequencies over which the loss does not exceed 3 decibels). (Ortertia - a,b,c; TD - a,b,c)
1585	Photographic equipment, as follows: high speed cinematograph cameras, capable of recording at rates in excess of 250 frames per second.	Retain to form new watch item 2510. (New developments may warrant change in this recommendation).			1585	2510	Photographic equipment, as follows: high speed cinematograph cameras, capable of recording at rates in excess of 250 frames per second. (Ortertia - ci; TD - a,b,c,d,e)
1587	Quartz crystals (worked or unworked) and plates, radio grade only.	Retain to form new embargo item 1592	3		1587	1592	Quartz crystals (worked or unworked) and plates, radio grade only. (Ortertia - a,b,c; TD - a,b,c)
1589	Resistors, temperature-sensitive (of a kind used in bolometers or in the measurement of electric power below 10 milliwatts but excluding electric lamps).	Delete					
1590	Photographic micro-flash equipment capable of giving a flash of 1/100,000 second or shorter duration, or with a frequency of 200 flashes or more per second.	Retain to form new watch item 2515.			1590	2515	Photographic micro-flash equipment, n.e.c., capable of giving a flash of 1/100,000 second or shorter duration, or with a frequency of 200 flashes or more per second. (Ortertia - ci; TD - a,b,c,d,e)

SECRET

SECRET

SECRET

CATEGORY: ELECTRONICS AND POSITION INSTRUMENTS

SECRET 28.

CURRENT Y/L LISTINGS

PROPOSED REVISION OF Y/L LISTINGS

Y/L NO.	DEFINITIONS	ACTION	REQ'D NO	WATCH	REQ'D ITEM NO.	SOURCE ITEM NO.	DEFINITIONS
1591	Spectrograph, spectrometers, monochromators, and associated measuring equipment, as follows: (a) grating types with, or designed for use with diffraction gratings (originate or replace, plane or concave); and gratings therefor; (b) prism types: (1) capable of a spectrum length of 20 cm between 9000 and 2000 Angstrom units, or more in width; (2) infra-red types, having an effective total prism base length over 2 inches (5 cm); (c) recording or controlling densitometers or other specialized equipment for the quantitative measurement of spectra or spectrographic records. (Note: This does not include: (1) instruments for the measurement of spectra or spectrographic records exceeding 1 inch (2.5 cm) in total width, and grating therefor, and (2) instruments of the "circle" type incapable of direct measuring to less than 5 seconds of arc.)	Retain parts (b), (c) and (d) to form new embargo item 1578. Delete remaining coverage.	2		1578	pl591	*1578 - Spectrograph, spectrometers, monochromators, and associated measuring equipment, as follows: measuring equipment, as follows: (a) prism types: (1) capable of a spectrum length of 20 cm between 9000 and 2000 Angstrom units, or more in width; (2) infra-red types, having an effective total prism base length over 2 inches (5 cm); (c) recording or controlling densitometers or other specialized equipment for the quantitative measurement of spectra or spectrographic records. (Note: This does not include: (1) instruments for the measurement of spectra or spectrographic records exceeding 1 inch (2.5 cm) in total width, and grating therefor, and (2) instruments of the "circle" type incapable of direct measuring to less than 5 seconds of arc.) (Criteria - a, b, c)
1593	Measuring and counting equipment as follows: (a) equipment capable of measuring time intervals of one second or less with an accuracy better than 1 microsecond; (b) equipment capable of counting at over 50,000 counts per second.	Retain new advanced types to form new embargo item 1554. Retain remaining coverage to form new item 1550.	2	W	1554	pl593	*1554 - Measuring and counting equipment, n.a.s., as follows: (a) equipment capable of measuring time intervals of one second or less with an accuracy better than 1 microsecond; (b) equipment capable of counting at over 1,000,000 counts per second. (Criteria - a, b, c)
1594	Volometers, as follows: (a) 1 millimeter scale with or without AG adapters; (b) AC vacuum tube volometers of laboratory type with full scale range of 0.01 millivolt or less. (Delete this obsolete volometer specially designed for testing telephone lines.)	Delete.					*1520 - Measuring and counting equipment, n.a.s., as follows: (a) equipment capable of measuring time intervals of one second or less with an error not exceeding 2% of the interval measured or an error of 20 microseconds, whichever is the greater; (b) equipment capable of counting at over 50,000 counts per second. (Criteria - c; D - a, b, c)
1598	X-ray diffraction and electron diffraction equipment and accessories, as follows: (a) X-ray diffraction units; (b) X-ray tubes designed or intended for use in X-ray diffraction analysis; (c) powder camera with heating element for temperatures of 500°C (920°F) or above; (d) single crystal oscillating and rocking X-ray goniometers with X-ray film or plate holders; (e) electron diffraction units and specialized components therefor.	Retain to form new embargo item 1555.	2		1555	1598	*1555 - X-ray diffraction and electron diffraction equipment and accessories, as follows: (a) X-ray diffraction units; (b) X-ray tubes designed or intended for use in X-ray diffraction analysis; (c) powder camera with heating element for temperatures of 500°C (920°F) or above; (d) single crystal oscillating and rocking X-ray goniometers with X-ray film or plate holders; (e) electron diffraction units and specialized components therefor. (Criteria - a; D - a, b, c)
1510	New optical glass in the mass (tinted or untinted) as follows: (a) blocks, plates (static), pressings and modules under heat treatment, pressure and stress, with a unit weight of 1.0 kilograms or more; (b) rough-sanded lenses with a unit weight of 0.5 kilograms or more; (c) rough-sanded prisms with a unit weight of 0.5 kilograms or more.	Retain to form new embargo item 1556.	2		1556	1510	*1556 - New optical glass in the mass (tinted or untinted) as follows: (a) blocks, plates (static), pressings and modules under heat treatment, pressure and stress, with a unit weight of 1.0 kilograms or more; (b) rough-sanded lenses with a unit weight of 0.5 kilograms or more; (c) rough-sanded prisms with a unit weight of 0.5 kilograms or more. (Criteria - a, b; D - a, b, c)

* Signifies new or modified definition.

SECRET

SECRET

SECRET

CATEGORY: ELECTRONICS AND PRECISION INSTRUMENTS

SECRET

CURRENT LISTINGS

PROPOSED REVISION OF Y/L LISTINGS

Y/L NO.	DEFINITIONS	ACTION	REPLACED ITEM NO.	WATCH ITEM NO.	NEW SOURCE ITEM NO.	DEFINITIONS
1350	Paper or synthetic film for dielectric use (condenser tissue), as follows: (a) synthetic film 0.0015 inches (.038 mm) or less in thickness; (b) coated paper 0.0015 inches (.038 mm) or less in thickness; (c) coated paper 0.0004 inches (.010 mm) or less in thickness.	Retain part (a) to form new embargo item 1582. Delete parts (b) and (c).	1582		1350	*1582 - Synthetic film for dielectric use 0.0017" (.038 mm) or less in thickness. (Criteria - a, b, c; ID - a, b, c)
1355	Radio-valve manufacturing machinery.	Retain and expand to form new embargo item 1560.	1560		1355	*1560 - Equipment, parts, specially designed for the production of radio valves or for the assembly of electronic valves, transistors or crystal diodes. (Criteria - a, b, c; ID - a, b, c, d, e)
1353	Cable-winding machinery specially designed for making multi-pair electric cables for telecommunications purposes, as follows: (a) machinery other than that covered by item 1354 for applying insulating material to conductors; (b) machinery for laying conductors together end-to-end for applying and insulating materials, twisting, or assembling twisted conductors; (c) machinery for laying up conductors, pairs, quads, etc., together to form the complete cable core or part thereof.	Retain to form new embargo item 1562.	1562		1353	*1562 - Cable-winding machinery specially designed for making multi-pair electric cables for telecommunications purposes, as follows: (a) machinery other than that covered by item 1354 for applying insulating material to conductors; (b) machinery for laying conductors together end-to-end for applying and insulating materials, twisting, or assembling twisted conductors; (c) machinery for laying up conductors, pairs, quads, etc., together to form the complete cable core or part thereof. (Criteria - a, b, c; ID - a, b, c)
1354	Cable-winding machinery specially designed for making coaxial cables, as follows: (a) machines for applying insulating separators to inner conductor of air-spaced coaxial cables; (b) machines for applying metal strip or sheet to form the outer conductor of coaxial electric cables; (c) machines for forming, stranding, or assembling coaxial cables, with or without conductors other than coaxial tubes; (d) automatic equipment for controlling the diameter or eccentricity of extruded dielectric on wires and cables.	Retain to form new embargo item 1564.	1564		1354	*1564 - Cable-winding machinery specially designed for making coaxial cables, as follows: (a) machines for applying insulating separators to the inner conductor of air-spaced coaxial electric cables; (b) machines for applying metal strip or sheet to form the outer conductor of coaxial electric cables; (c) machines for forming, stranding, or assembling coaxial cables, with or without conductors other than coaxial tubes; (d) automatic equipment for controlling the diameter or the eccentricity of extruded dielectric on wires and cables. (Criteria - a, b, c; ID - a, b, c)
New Item		A new embargo item 1582 has been developed to reflect recent strategic applications.	1582		C-503	*1582 - Telephone recording apparatus, fully automatic. (Criteria - a, b, c; ID - a, b, c)
New Item		A new embargo item 1585 developed to reflect technology for purifying silicon and germanium.	1585			*1585 - Equipment and processes specially designed for purifying silicon and germanium. (Criteria - a, b, c; ID - a, b, c)
New Item		A new embargo item 1590 has been developed to cover high temperature components which also assist in covering many types of sub and micro wave tube components under such temperature conditions.	1590			*1590 - Electronic components, a.o.s., designed for continuous operation at temperatures of 300 degrees centigrade. (Criteria - a, b, c; ID - a, b, c)

* Signifies new or modified definition.

SECRET

SECRET

SECRET

DEFENSE, ELECTRONICS AND INSIGNIA ITEMS

SECRET

CURRENT I/L LISTINGS		PROPOSED REVISION OF I/L LISTINGS	
I/L NO.	DEFINITIONS	ACTION	REMARKS
2568	Electronic automatic controlling units, whether or not including a regulating valve, which regulate the continuous action as a function of one or more industrial process variables and capable of operating a regulating valve by pneumatic, hydraulic or electric means in response to an AC or DC voltage produced by a measuring unit in the process stream. (Note: Controlling unit means the unit comprising those elements which apply control action to the regulating valve in response to the signal received from the measuring unit by comparing (by using an electronic feed back stabilized amplifier) the desired value with the value of the controlled condition as indicated by the measuring unit.)	Retain to form new embargo item 1315.	1315 - Electronic automatic controlling units, whether or not including a regulating valve, which regulate the continuous action as a function of one or more industrial process variables and capable of operating a regulating valve by pneumatic, hydraulic or electric means in response to an AC or DC voltage produced by a measuring unit in the process stream. (Note: Controlling unit means the unit comprising those elements which apply control action to the regulating valve in response to the signal received from the measuring unit by comparing (by using an electronic feed back stabilized amplifier) the desired value with the value of the controlled condition as indicated by the measuring unit.) (Criteria - 9,5; 10 - 9,6,9,6,9)
2560	Continuous measuring pH equipment of the following types, whether separate or as components of other pH equipment: (a) all electrodes assemblies of the flow or immersion type which measure the pH of a liquid medium at 25°C in a glass electrode of 250 mm or higher at 25°C, developed for use with amplifiers covered by sub-item (b); (b) amplifiers which include automatic temperature compensation as a function of the amplifier and are designed to operate with an input current of 10-12 amperes.	Retain to form new watch item 2301.	2301 - Continuous measuring pH equipment of the following types, whether separate or as components of other pH equipment: (a) electrode assemblies of the flow or immersion type which include a reference temperature element and a glass electrode of 150 mm or higher at 25°C designed for use at 25°C in a liquid medium at 25°C; (b) amplifiers which include automatic temperature compensation as a function of the amplifier and are designed to operate with an input current of 10-12 amperes. (Criteria - 9, 10 - 9,6)
3517	Radio transmitters, transmitter amplifiers and sub-assemblies therefor, name:	Retain to form new watch item 2525.	2525 - Radio transmitters, transmitter amplifiers and sub-assemblies therefor - 9,9; 10 - 9,9,9,6,9
3522	Capacitors, as follows: (a) fixed capacitors in excess of 0.5 microfarad, having DC working voltage in excess of 1,000 volts, (general those for power factor correction); (b) variable, rated in excess of 5 amperes at 1,000 kilovolts; (c) all vacuum and gas capacitors; (d) ceramic dielectric capacitors, or parts thereof, having a declared tolerance of temperature coefficient or capacitance of plus or minus 20 percent of the nominal capacitance or less; (e) electrolytic capacitors; (f) tantalum electrolytic capacitors.	Retain parts (e) and (f) and part of (c) to form new embargo item 1570.	*1570 - Capacitors, as follows: (a) all variable vacuum and gas capacitors; (b) polyethylene terephthalate dielectric capacitors; (c) tantalum electrolytic capacitors. (Criteria - 9,9; 10 - 9,9,9)
3529	Measuring and testing equipment, name, rated for use at frequencies of 30 kilocycles and above. (Note: It is understood that no member Government should authorize unassisted large exports of these instruments to the Soviet bloc.)	Delete.	Delete.
1631	Explosive materials of all types and of whatever powder, strip, sheet, castings and blocks, if possessing one or more of the following characteristics: (a) for sheet or strip, thickness of 0.009" (0.075 mm) and less; (b) initial permeability 20,000 or over; (c) maximum 5% of maximum size or over; (d) a maximum length of 1/8 inch, or a maximum diameter of 2,100 gaussees/centimeters, or containing more than 20 percent cobalt; (e) core loss of 0.5 watt per pound at 3 equals 13,000 gaussees and 50 cycles per second or less. (Note: The definition of subitem (d) refers to values obtained using a properly heat-treated test bar.)	Retain to form new embargo item 1574.	1574 - Explosive materials of all types and of whatever form, 9,6, powder, strip, sheet, castings and blocks, if possessing one or more of the following characteristics: (a) for sheet or strip, thickness of 0.009" (0.075 mm) and less; (b) initial permeability 20,000 or over; (c) maximum 5% of maximum size or over; (d) a maximum length of 1/8 inch, or a maximum diameter of 2,100 gaussees/centimeters, or containing more than 20 percent cobalt; (e) core loss of 0.5 watt per pound at 3 equals 13,000 gaussees and 50 cycles per second or less. (Note: The definition of subitem (d) refers to values obtained using a properly heat-treated test bar.) (Criteria - 9, 10 - 10,0)

* Signifies new or modified definition.

SECRET

SECRET

SECRET

CATEGORY: ELECTRONICS AND RECEIVING EQUIPMENT

SECRET

CURRENT I/L LISTINGS

PROPOSED REVISION OF I/L LISTINGS

I/L NO.	DEFINITIONS	ACTION	REMOVED	WAS PER	NEW I/L NO.	NEW SOURCE I/L NO.	DEFINITIONS
---------	-------------	--------	---------	---------	-------------	--------------------	-------------

3595	Reactors (made of materials covered by Item 1631), n.e.s., as follows: (second power supply and power distribution types); (b) diodes and coils.	Retain to form new embargo Item 1576.			1576	3595	1576 - Reactors (made of materials covered by Item 1631), n.e.s., as follows: (a) transformers; (second power supply and power distribution types); (b) diodes and coils. (Order - of ID - 4, b, c)
------	---	---------------------------------------	--	--	------	------	--

3544	Valves (tubes), electronic, n.e.s., and diodes (and specialized parts thereof), as follows: (a) valves capable of continuous plate dissipation of 1,000 watts or greater; (b) vacuum camera tubes, standard commercial broadcast types only; (c) kaledioson camera tubes, standard commercial broadcast types only; (d) crystal diodes, incorporating germanium or silicon (silicon) of a kind designed to operate at frequencies below 250 megacycles per second. (NOTE: To the extent practicable, exports of the above items will be limited to amounts normally required as replacements for equipment which the exporting country previously supplied to the Soviet Bloc.)	Retain parts (a) and (c) to form new watch Item 2390. Delete parts (b) and (d).			2390	3544	2390 - Valves (tubes), electronic, n.e.s., and diodes (and specialized parts thereof), as follows: (a) valves capable of continuous plate dissipation of 1,000 watts or greater; (b) vacuum camera tubes, standard commercial broadcast types only. (NOTE: To the extent practicable, exports of the above items will be limited to amounts normally required as replacements for equipment which the exporting country previously supplied to the Soviet Bloc.) (Order - of ID - 4, b, c)
------	--	---	--	--	------	------	--

Item					2335	pc-501	2335 - Telecommunication equipment, as follows: (a) telegraphic equipment, n.e.s. (b) radio communication receivers and subassemblies thereof, n.e.s. (single channel radio receivers). (Order - of ID - 4, b, c)
------	--	--	--	--	------	--------	--

Item					2340	C-509	2340 - Radar and radio navigation equipment, including direction finders, n.e.s. (Order - of ID - 4, b, c)
------	--	--	--	--	------	-------	---

Item					2345	pc-575	2345 - Precision measuring instruments, as follows: (a) 1 megapascal second or better by direct reading; theodolites, tachometers and transit with a telescope magnification of 200 or higher and reading direct to 1 sexagesimal minute or better. (Order - of ID - 4, b, c)
------	--	--	--	--	------	--------	---

* Signifies new or modified definition.

SECRET

SECRET

SECRET

CATSCOTT: METALS, MINERALS AND THEIR MANUFACTURES

SECRET 21

CURRENT I/L LISTINGS		PROPOSED REVISION OF I/L LISTINGS				
I/L NO.	DEFINITIONS	ACTION	REMARKS	NEW ITEM NO.	OLD ITEM NO.	DEFINITIONS
1601	Anti-friction bearings (ball, roller, needle) and parts, as follows: (a) Special bearings, as specified in Interpretative Note No. 2 (hereinafter referred to as "Special bearings"); (b) steel alloy "normal" bearings of the following kind, with inner-ring bore diameter below 10 mm (or, if without bore, below 12.7 mm outer diameter) or over 150 mm: (1) deep groove ball; (2) tapered roller; (3) cylindrical roller; (4) spherical roller; (5) taper roller; (6) needle roller; (7) roller thrust type (spherical, cylindrical and taper); (8) bearing parts as follows: (1) all parts, alloy rollers (except needle rollers) and balls (except tapered roller balls) of special alloy steel, all parts of "normal" chrome steel, as described in Interpretative Note No. 2; (2) all steel alloy outer rings, inner rings, retainers, and sub-assemblies (except any such parts usable only for bearings covered by Item 2601).	Repeal coverage in combi- nation with part 1601 and new item 1601 and new item 1601	E	1601	1601	*1601 Anti-friction bearings and parts as follows: (a) Special bearings as specified in Interpretative Note No. 2 (hereinafter referred to as "Special bearings"); (b) steel alloy "normal" bearings, the following: (1) with inner ring bore diameter below 20 mm or above 150 mm, the following: (1) deep groove ball; (1.1) self-aligning ball; (1.1.1) cylindrical roller; (1.1.2) tapered roller; (2) with inner ring bore diameter above 150 mm, the following: (1) spherical roller; (1.1) spherical roller; (1.1.1) needle roller; (1.1.2) taper roller; (1.1.3) roller thrust type (spherical or taper). (3) angular contact ball, all sizes, retainers, balls, rollers (except needle rollers) and sub-assemblies usable for bearings covered by (a) and (b) above. (Criteria - a, c; TD - a, b, c)
1605	Multi-ton components and materials, as follows: (a) brass and bronze fabrications for primer anvil, fabrications for bullet cup (gilding metal, clad steel), cartridge rim, primer cap, shell rotating primer cup, shell rotating band; (b) rolled brass cartridge strip (with 68 to 72 percent copper); (c) copper rotating bands for shells, and other copper compounds; (d) gilding metal, clad steel; (e) rough steel forgings, steel, and alloy castings for guns and for arms. (This includes, but is not limited to, long artillery material, machine guns, automatic weapons and small arms.)	Repeal Details as new embargo item 1605. Should also consider transfer to Multitons list.	E	1605	1615	*1605 Multi-ton components and materials, as follows: (a) brass and bronze fabrications for primer anvil, fabrications for bullet cup (gilding metal, clad steel), cartridge rim, primer cap, shell rotating primer cup, shell rotating band for shells, and other copper rotating bands for shells, and other copper compounds; (b) rolled brass cartridge strip (with 68 to 72 percent copper); (c) copper rotating bands for shells, and other copper compounds; (d) gilding metal, clad steel; (e) rough steel forgings, steel, and alloy castings for guns and for arms. (This includes, but is not limited to, long artillery material, machine guns, automatic weapons and small arms.) (Criteria - a, c; TD - a, d)
1630	Scrap iron and steel	Repeal Details as new embargo item 1610	E	1610	1630	*1610 Scrap iron and steel (Criteria - a; TD - none)
1631	Magnetic materials of all types and of whatever form, shape, powder, strip, sheet, castings and blocks, if possessing one or more of the following characteristics: (a) for sheet or strip, thickness of 0.009" (0.075 mm) and less; (b) initial permeability 20,000 or over; (c) remanence 85% of maximum flux or over; (d) a composition capable of an energy product greater than 2000 gauss/oersted, or containing more than 20 percent cobalt; or (e) core loss of 0.5 watt per pound at B equals 13,000 gauss and 50 cycles per second or less. (NOTE: The definition of subitem (d) refers to values obtained using a properly heat-treated test bar.)	Repeal Details as new embargo item 1574	E	1574	1631	*1574 Magnetic materials of all types and of whatever form, shape, powder, strip, sheet, castings and blocks, if possessing one or more of the following characteristics: (a) for sheet or strip, thickness of 0.009" (0.075 mm) and less; (b) initial permeability 20,000 or over; (c) remanence 85% of maximum flux or over; (d) a composition capable of an energy product greater than 2000 gauss/oersted, or containing more than 20 percent cobalt; or (e) core loss of 0.5 watt per pound at B equals 13,000 gauss and 50 cycles per second or less. (NOTE: The definition of subitem (d) refers to values obtained using a properly heat-treated test bar.) (Criteria - a; TD - none)
1635	Alloys containing: (a) 6% or more molybdenum (but 3% or more molybdenum in any alloy containing more than 1% chromium); or (b) 0.25% or more cobalt; or (c) 0.25% or more columbium or tantalum; or (d) nickel-bearing steels, n.e.s., containing a total of 3% or more alloying elements.	Repeal Details as new embargo item 1600	E	1600	1635	*1600 Alloys containing: (a) 6% or more molybdenum (but 3% or more molybdenum in any alloy containing more than 1% chromium); or (b) 0.25% or more cobalt; or (c) 0.25% or more columbium or tantalum; or (d) nickel-bearing steels, n.e.s., containing a total of 3% or more alloying elements. (Criteria - a, c; TD - none) * Signifies new or modified definition.

SECRET

SECRET

SECRET

CATEGORY: METALS, MINERALS AND THEIR MANUFACTURES

SECRET 33.

CURRENT I/L LISTINGS

PROPOSED REVISION OF I/L LISTINGS

I/L NO.	DEFINITIONS	ACTION	REMARKS	NEW ITEM NO.	SOURCE ITEM NO.	DEFINITIONS
1696	Aluminum, as follows: (1) oxide forms (primary and secondary) including anodes, cathodes, bloom, bars, billets, blocks, forgings, granules, lumps, and wire bars; (2) semifabricated forms, as follows: (1) wrought or worked materials fabricated by rolling, drawing, extruding, forging, impact extruding, pressing and grinding; produced by casting in sand, die, shell or plaster molds; (11) or plaster molds; (3) scrap; (4) aluminum powder for sintering and sintered aluminum powder (SAP) products. (5) aluminum powders, n.e.s., SECRET pastes and greases. (6) Hard alloys are to be interpreted as aluminum alloy wires; (7) the average copper content is 1% or more irrespective of other elements; (8) the average copper content is less than 1% and the silicon content is 4% or more, or the silicon content is 3.5% or more, or the magnesium content is 9.5% or more.)					Aluminum, as follows: (a) aluminum hard alloys used in aircraft, missile and rocket construction, as follows: (1) ingots (primary and secondary), including anodes, cathodes, bloom, bars, billets, blocks, forgings, granules, lumps, and wire bars; (2) semifabricated forms, as follows: (1) wrought or worked materials fabricated by rolling, drawing, extruding, forging, impact extruding, pressing and grinding; produced by casting in sand, die, shell or plaster molds; (11) or plaster molds; (3) scrap; (4) aluminum powder for sintering and sintered aluminum powder (SAP) products. (5) aluminum powders, n.e.s., SECRET pastes and greases. (6) Hard alloys are to be interpreted as aluminum alloy wires; (7) the average copper content is 1% or more irrespective of other elements; (8) the average copper content is less than 1% and the silicon content is 4% or more, or the silicon content is 3.5% or more, or the magnesium content is 9.5% or more.) (Criteria - a, c; TD - none)
1697	Aluminum, as follows: (1) oxide forms (primary and secondary) including anodes, cathodes, bloom, bars, billets, blocks, forgings, granules, lumps, and wire bars; (2) semifabricated forms, as follows: (1) wrought or worked materials fabricated by rolling, drawing, extruding, forging, impact extruding, pressing and grinding; produced by casting in sand, die, shell or plaster molds; (11) or plaster molds; (3) scrap; (4) aluminum powder for sintering and sintered aluminum powder (SAP) products. (5) aluminum powders, n.e.s., SECRET pastes and greases. (6) Hard alloys are to be interpreted as aluminum alloy wires; (7) the average copper content is 1% or more irrespective of other elements; (8) the average copper content is less than 1% and the silicon content is 4% or more, or the silicon content is 3.5% or more, or the magnesium content is 9.5% or more.)					Aluminum, as follows: (a) aluminum hard alloys used in aircraft, missile and rocket construction, as follows: (1) ingots (primary and secondary), including anodes, cathodes, bloom, bars, billets, blocks, forgings, granules, lumps, and wire bars; (2) semifabricated forms, as follows: (1) wrought or worked materials fabricated by rolling, drawing, extruding, forging, impact extruding, pressing and grinding; produced by casting in sand, die, shell or plaster molds; (11) or plaster molds; (3) scrap; (4) aluminum powder for sintering and sintered aluminum powder (SAP) products. (5) aluminum powders, n.e.s., SECRET pastes and greases. (6) Hard alloys are to be interpreted as aluminum alloy wires; (7) the average copper content is 1% or more irrespective of other elements; (8) the average copper content is less than 1% and the silicon content is 4% or more, or the silicon content is 3.5% or more, or the magnesium content is 9.5% or more.) (Criteria - a, c; TD - none)
1698	Cobalt, as follows: (a) ores, residue and concentrates, including elemental crystals; (b) cobalt-bearing scrap; (c) scrap; (d) compounds, including: (1) pig iron; (2) cobalt organic artificial coloring matters; and (3) other paint pigments. (Notes: Paint driers, for this purpose, are regarded as being products, or preparations of such products, containing combined cobalt with or without other metals, produced in any way by the reaction of cobalt with or without other metals, including oil fatty acids, sulphonyl, tall oil, naphthenic acids, 2-hydroxynaphthoic acid.)	Repeal as new embargo item 1690.				Cobalt, as follows: (a) ores, residue and concentrates, including elemental crystals; (b) cobalt-bearing scrap; (c) scrap; (d) compounds, including: (1) pig iron; (2) cobalt organic artificial coloring matters; and (3) other paint pigments. (Notes: Paint driers, for this purpose, are regarded as being products, or preparations of such products, containing combined cobalt with or without other metals, produced in any way by the reaction of cobalt with or without other metals, including oil fatty acids, sulphonyl, tall oil, naphthenic acids, 2-hydroxynaphthoic acid.) (Criteria - a, c; TD - none)
1699	Columbian (Cobalt) as follows: (a) ores and concentrates; (b) scrap; (c) metal and alloys (including ferro-columbian and ferro-columbian-carbides).	Repeal as new embargo item 1695				Columbian (Cobalt) as follows: (a) ores and concentrates; (b) scrap; (c) metal and alloys (including ferro-columbian and ferro-columbian-carbides). (Criteria - a, b; TD - c, d, e)
1699	Copper, as follows: (a) copper ores, residues, concentrates, ingots, and matte; (b) copper and copper-base alloys in the form of anodes and cathodes, blooms, blocks, blooms, cakes, ingots, ingot bars, pellets, pigs, shot, slabs, slivers, wire bars, and other unwrought shapes; (c) copper and copper-base alloy semifinished products, as follows: sheets, strips, plates, rods (including wire rods and rolled wire), pipe and tubing. (d) copper and copper-base alloy semifinished products, as follows: sheets, strips, plates, rods (including wire rods and rolled wire), pipe and tubing.	Repeal and expand in combination with 1695 to form new embargo item 1690 to cover all copper and copper-base alloy wire and cable.				Copper, as follows: (a) copper ores, residues, concentrates, ingots, and matte; (b) copper and copper-base alloys in the form of anodes and cathodes, blooms, blocks, blooms, cakes, ingots, ingot bars, pellets, pigs, shot, slabs, slivers, wire bars, and other unwrought shapes; (c) copper and copper-base alloy semifinished products, as follows: sheets, strips, plates, rods (including wire rods and rolled wire), pipe and tubing; (d) copper and copper-base alloy semifinished products, as follows: sheets, strips, plates, rods (including wire rods and rolled wire), pipe and tubing. (Criteria - a, c; TD - none)
1699	Germanium and germanium compounds	Repeal as new embargo item 1645.				Germanium and germanium compounds. (Criteria - a, b; TD - c, d, e)

* Signifies new or modified definition.

SECRET

SECRET

SECRET

CATEGORIES: METALS, MINERALS AND THEIR MANUFACTURES

SECRET

CURRENT I/L LISTINGS

PROPOSED REVISION OF I/L LISTINGS

I/L NO.	DEFINITIONS	ACTION	REASON	DATE	DATE	SOURCE	DEFINITIONS
				NEW	OLD		
				NO.	NO.		
3640	Anti-friction bearings parts as follows: needle rollers						
3646	Alloys, as follows: (a) alloys containing 2 percent or more, but less than 6 percent molybdenum, (except those covered by item 1697(a)); (b) nickel-bearing alloy steels, n.e.s., containing 4 percent or more nickel.	Retain part in combination with item 2636 to form new embargo item 1694, including coverage to form new with item 2610.		2610	3636	*2610 Alloys, as follows: (a) alloys containing 2 percent or more, but less than 6 percent molybdenum, (except those covered by item 1697(a)); (b) nickel-bearing alloy steels, n.e.s., containing 4 percent or more nickel. (Criteria - 01 TD - none)	
3640	Carbon-graphite (low carbon) containing a maximum of 0.09 percent carbon.						
3641	Brass: metal and alloys	Retain as new with item 2615.		2615	3641	2615 Brass: metal and alloys. (Criteria - 01 TD - none)	
3650	Lead, as follows: (a) pure, cast lead; bullets and shot; (b) pure, cast lead base alloy (including antimonial lead), as follows: (1) metal in the form of pigs, slabs, shot, bars, and other primary shapes; (2) secondary lead in pig and slab form; (3) scrap and old metal.						
3652	Copper and copper-base alloy semifinished and finished products, as follows: (a) wire (uncovered); (b) cable (uncovered); (c) insulated wire (single strand conductor), of a diameter of 0.011 inch (0.25 mm) or less.	Retain and expand in combination with 1690 to form new embargo item 1640.					
3654	Magnesium and magnesium base alloys (GENERAL) those covered by item 2630, and magnesium base alloys (primary) in the forms of billets, blooms, ingots, notched bars, powder, slab, sticks, and crystals; (b) scrap and old metal; (c) magnesium and magnesium base alloys (secondary); (d) magnesium alloys in semifinished forms, as follows: (1) wrought or extruded forms, including forging, stamp extruding, pressing, extruding, stamping, and powder metallurgy; (2) cast material produced by casting in sand, die, metal, or plaster moulds.	Retain to form new with item 2630		2630	3654	2630 Magnesium and magnesium base alloys (GENERAL) those covered by item 2630, as follows: (a) magnesium and magnesium base alloys (primary) in the forms of billets, blooms, ingots, notched bars, powder, slab, sticks, and crystals; (b) scrap and old metal; (c) magnesium and magnesium base alloys (secondary); (d) magnesium alloys in semifinished forms, as follows: (1) wrought or extruded forms, including forging, stamp extruding, pressing, extruding, stamping, and powder metallurgy; (2) cast material produced by casting in sand, die, metal, or plaster moulds. (Criteria - 01 TD - none)	
3661	Nickel and nickel-base alloys (Fe-Ni alloys containing 30 percent or more nickel) in the following wrought (semi-fabricated) forms: rings.						

* Signifies new or modified definition.

SECRET

SECRET

SECRET

CHEMICAL, PHYSICS AND FERROUS METALS

CURRENT I/L LISTINGS

PROPOSED REVISION OF I/L LISTINGS

SECRET

I/L NO.	DEFINITIONS	ACTION	DEBARRO	W/CH	REV. ITEM NO.	SC/RC ITEM NO.	DEFINITIONS
1701	Deoxidizers: (a) mercury fulminate, lead azide, lead stannate, and lead chlorate; and deoxidizing or protecting compositions containing one or more of these chemicals; (b) sodium azide.	Retain as new watch item 2701.		W	2701	2701	2701 - Deoxidizers: fulminate, lead azide, lead stannate, and lead chlorate; and deoxidizing or protecting compositions (airframes) containing one or more of these chemicals; (b) sodium azide. (Criteria - si TD - b,c,d,e)
1702	Hydraulic fluids, synthetic. (Edit: See item 1703 for other hydraulic fluids.)	Retain as new embargo item 1701	E		1701	1702	1701 - Synthetic fluids, synthetic. (Criteria - si TD - a,b,c,d,e)
1703	Stabilizers for explosives, as follows: (a) ethyl and methyl centralites; (b) diphenylamine; (c) bis-diphenylurea (unsymmetrical diphenylurea); (d) methyl-bis-diphenylurea (methyl unsymmetrical diphenylurea); (e) ethyl-bis-diphenylurea (ethyl unsymmetrical diphenylurea); (f) ethyl phenyl urethane; (g) diethyl phenyl urethane; (h) diethyl ethyl-urethane; (i) 2-ethylphenylamine.	Attempt to have added to manual list because of military use; if attempt fails, retain as new embargo item 1702.	E (M)		1702	1703	1702 - Stabilizers for explosives, as follows: (a) ethyl and methyl centralites; (b) diphenylamine; (c) bis-diphenylurea (unsymmetrical diphenylurea); (d) methyl-bis-diphenylurea (methyl unsymmetrical diphenylurea); (e) ethyl-bis-diphenylurea (ethyl unsymmetrical diphenylurea); (f) ethyl phenyl urethane; (g) diethyl phenyl urethane; (h) diethyl ethyl-urethane; (i) 2-ethylphenylamine. (Criteria - si TD - none)
1713	Borax nitrate.	Delete.					
1715	Boron, the following: (a) boron nitrate, grade and refined; (b) boron element (metal), all forms, including gelatin and powder; (c) boron compounds and mixtures, n.e.s., the following: (1) boric acid and salts (sodium, potassium, ammonium, magnesium and calcium) and organo-borates, acids or esters; (2) boron trihalides and their complexes and fluoroborates; boron trichloride and its complexes and fluoroborates; (3) other boron compounds and mixtures containing 10% or more of boron in combined and/or elemental (metallic) form (but not including: perborates, metal borates - other than those in (c) (1) above, boron nitride and boron carbide).	Retain and expand to form new embargo item 1705. Part (c) is the addition.	E		1705	1715, 1716, 1717, 1718, 1719	1705 - Boron, the following: (a) boron nitrate, grade and refined; (b) boron element (metal), all forms, including gelatin and powder; (c) boron carbide and boron nitride and finished products made therefrom; (d) boron compounds and mixtures, n.e.s., the following: (1) boric acid and salts (sodium, potassium, ammonium, magnesium and calcium) and organo-borates, acids or esters; not including perborates; (2) boron trihalides and their complexes and fluoroborates; boron trihalides and their complexes and fluoroborates; (3) other boron compounds and mixtures containing 10% or more of boron in combined and/or elemental (metallic) form (but not including: perborates, metal borates - other than those in (c) (1) above, boron nitride and boron carbide). (Criteria - si; TD - a,b,c,d,e)
1720	Dinitrotoluenes.	Attempt to have added to manual list because of military use; if attempt fails, retain as new embargo item 1705.	E (M)		1705	1720	1706 - Dinitrotoluenes: (Criteria - si TD - none)
1725	Further alcohols; tetrahydrofurfuryl alcohol.	Delete.					
1727	Glycols and their derivatives, as follows: (a) ethylene glycol (ethanediol-1,2), propylene glycol (propanediol-1,2) and mixtures consisting mainly of one or two of these compounds; (b) thiodiethylol, and mixtures consisting mainly thereof.	Retain as new watch item 2705		W	2705	1727	2705 - Glycols and their derivatives, as follows: (a) ethylene glycol (ethanediol-1,2), propylene glycol (propanediol-1,2) and mixtures consisting mainly of one or both of these compounds; (b) thiodiethylol, and mixtures consisting mainly thereof. (Criteria - si; TD - c,d,e)
1729	Hexamethylenetetramine.	Retain as new watch item 2710		W	2710	1729	2710 - Hexamethylenetetramine.
1731	Hydrates; hydrate hydrate; hydrate salts.	Retain and expand to form new watch item 2710. Important details and product fuel and propellant materials.	E		2710	1731	2710 - Hydrates; hydrate hydrate; hydrate salts; diethylamine hydrate; urea hydrate; (Criteria - si TD - a,b,c,d,e)

*Signifies new or modified definition.

SECRET

SECRET

SECRET

CATEGORIES: CHEMICALS, PLASTICS AND POLYMER PRODUCTS

SECRET

CURRENT I/L LISTINGS		PROPOSED REVISION OF I/L LISTINGS			
I/L NO.	DEFINITIONS	ACTION	REMARKS		
1732	Hydrogen peroxide (50 percent strength and over).	Retain as new embargo item 1735	1735	1732 - Hydrogen peroxide (50 percent strength and over). (Criteria - a; TD - a,b,c,d,e)	
1738	Methyl methacrylate clear sheets or sheeting, whether single or laminated, suitable for aircraft use. (Notes: This sheet is of optical quality, 1/4 inch (6.3 mm) or more in thickness, meeting aircraft material specifications.)	Retain as new embargo item 1735	1738	1735 - Methyl methacrylate clear sheets or sheeting, whether single or laminated, suitable for aircraft use. (Notes: This sheet is of optical quality, 1/4 inch (6.3 mm) or more in thickness, meeting aircraft material specifications.) (Criteria - a,b,c; TD - a,b,c,d,e)	
1740	Polymethyl alpha-chloroacrylate (acrylic or PMMA).	Retain as new embargo item 1740	1740	1740 - Polymethyl alpha-chloroacrylate (acrylic or PMMA). (Criteria - a,b,c; TD - a,b,c,d,e)	
1741	Nitrogen dioxide.	Attempt to have added to Munitions List; if attempt fails, retain as new embargo item 1740.	1741	1741 - Nitrogen dioxide. (Criteria - a; TD - none)	
1742	Oxidizing nitrate.	Attempt to have added to Munitions List; if attempt fails, retain as new embargo item 1740.	1742	1742 - Oxidizing nitrate. (Criteria - a; TD - none)	
1744	Peracetylbis(4-hydroxyphenyl) tetrabutyl ether.	Attempt to have added to Munitions List; if attempt fails, retain as new embargo item 1740.	1744	1744 - Peracetylbis(4-hydroxyphenyl) tetrabutyl ether. (Criteria - a; TD - none)	
1748	Picric acid (trinitrophenol).	Attempt to have added to Munitions List; if attempt fails, retain as new embargo item 1749.	1748	1748 - Picric acid (trinitrophenol). (Criteria - a; TD - none)	
1755	Silicon(e) oils and rubbers.	Retain as new embargo item 1720	1755	1720 - Silicon(e) oils and rubbers. (Criteria - a,b,c; TD - a,b,c,d,e)	
1757	Silicon of a purity of 99.9 percent or more.	Retain as new embargo item 1725	1757	1725 - Silicon of a purity of 99.9 percent or more. (Criteria - a,b,c; TD - a,b,c,d,e)	
1758	Crystals of lithium fluoride or of calcium fluoride the following: (a) natural or artificially made, worked or partly worked; (b) artificially made or specially selected natural unworked weighing not less than 2.5 grams each.	Retain as new embargo item 1730	1758	1730 - Crystals of lithium fluoride or of calcium fluoride the following: (a) natural or artificially made, worked or partly worked; (b) artificially made or specially selected natural unworked weighing not less than 2.5 grams each.	
1773	Gasoline (motor and aviation).	Retain as new embargo item 1750; For motor gasoline it is recognized that criteria (a) and (b) are not met and difficulty will arise in fully demonstrating a critical deficiency. Any critical deficiency may arise because of Communist China. The main consideration in recommending continuation of embargo was to prevent the frustration of the tanker embargo either through shipment to the Far East in Western tankers or supplying the Far East in Western tankers. The embargo on gasoline is thus a key element in the containment of China and thus decreasing their tanker haul.	1750	1773	1750 - Gasoline (motor and aviation). (Criteria - a,c; TD - a,b,c,d,e)
1774	Kerosene	Retain as new embargo item 1755. Same remarks apply as for 1773 above.	1755	1774	1755 - Kerosene. (Criteria - a; TD - a,b,c,d,e)
1760	A new embargo item 1760 has been developed to reflect new jet fuels and to prevent frustration of other controls.		1760	1760 - Jet fuel (aviation turbine engine fuel), including but not limited to: (a) wide-cut gasoline types; (b) kerosene types; (c) high flash kerosene types; (d) any petroleum product containing a high energy component such as boron or boron compounds. (Criteria - a; TD - a,b,c,d,e)	

*Signifies new or modified definition.

SECRET

SECRET

SECRET

CATEGORY: RUBBER AND RUBBER PRODUCTS

CURRENT I/L LISTINGS

PROPOSED REVISION OF I/L LISTINGS

SECRET

I/L NO.	DEFINITIONS	ACTION	EXAMINO	WATCH	NEW ITEM NO.	SOURCE ITEM NO.	DEFINITIONS
1801	Butyl synthetic rubber	Retain in combination with part C-801 to form new embargo item	E		1801	1801 PC-801	*1801 Synthetic rubber, the following: (a) butyl; (b) cold styrene types; (c) R-type (copolymer of butadiene and acrylonitrile); (d) liquid alkyl polyolfinide polymers. (ethylene - 9,9; 10 - 9,9,9,9,9)
1820	Pneumatic tire casings (excluding tractor and farm implement types), as follows: (a) specially constructed to be bullet proof or to run when deflated; (b) in the following sizes and ply ratings: (1) 8 ply rating and over in the size 9,00 x 16; (2) 10 ply rating and over in the size 3,4 x 7; (3) 12 ply rating and over in the sizes 14,00 x 20 and 12,00 x 20; (c) with off-the-road treads in the following sizes and ply ratings: (1) 8 ply rating and over in the sizes 7,00 x 16, 6,50 x 20 and 6,50 x 19; (2) 8 ply rating and over in the sizes 9,00 x 20, 7,50 x 20 and 7,00 x 20.	Retain most of coverage in combination with part of C-820 to form new embargo item 1805. Delete remaining coverage.	E		1805	D1820 PC-820	*1805 Pneumatic tire casings (excluding farm implement types), as follows: (a) of a kind specially constructed to be bullet proof or to run when deflated; (b) of 10 ply or over in sizes 9,00 or over. (ethylene - 9,9; 9,9 20 - 9,9,9,9,9)
1840	Water lubricated bearings with bearing surface made with Item B compounds.	Delete					
New Item		A new watch item 2801 has been developed to cover other synthetic rubbers except those for which blue supply is sufficient.			2801	PC-801	*2801 Synthetic rubbers, n.e.s., except diene, neoprene and regular (but types) styrene. (ethylene - 9, 10 - 9,9,9,9,9)
3801	Natural rubber, including latex	Delete					

* Signifies new or modified definition.

SECRET

SECRET

SECRET

CATEGORY: MISCELLANEOUS

SECRET

CURRENT I/L LISTINGS

PROPOSED REVISION OF I/L LISTINGS

I/L NO.	DEFINITIONS	ACTION	REMARKS	MATCH ITEM NO.	NEW SOURCE ITEM NO.	DEFINITIONS
1910	Raw optical glass in the mass (finished or unfinished) as follows: (a) blank (alabe), pressings and moulds (other than rough-sanded lenses and prisms), with a unit weight of 1.0 kilograms or more; (b) rough-sanded lenses with a unit weight of 0.5 kilograms or more; (c) rough-sanded prisms with a unit weight of 0.5 kilograms or more.	Retain as new embargo item 1596.	X	1596	1910	1596 Raw optical glass in the mass (finished or unfinished) as follows: (a) blank, plates (alabe), pressings and moulds (other than rough-sanded lenses and prisms), with a unit weight of 1.0 kilograms or more; (b) rough-sanded lenses with a unit weight of 0.5 kilograms or more; (c) rough-sanded prisms with a unit weight of 0.5 kilograms or more. (Criteria - a,bi ID - a,b,c)
1900	Paper or synthetic film for dielectric use (condenser films), as follows: (a) synthetic film 0.0015 inches (.038 mm) or less in thickness; (b) coated paper 0.0015 inches (.038 mm) or less in thickness; (c) uncoated paper 0.004 inches (.102 mm) or less in thickness.	Refile part (a) as new embargo item 1598. Delete parts (b) and (c).	X	1598	1900	*1598 Synthetic film for dielectric use 0.0015" (.038 mm) or less in thickness. (Criteria - a,bi ID - a,b,c)
1990	Nylon parachute cloth with the following characteristics: (a) This covers nylon cloth with the following characteristics: Maximum thickness: 1.1 oz. per sq. yd. (35 gr per sq. m.); Minimum thickness: 0.0032 inch (0.08 mm); Minimum tear strength: 40 lbs. per inch warp and filling; Minimum tear strength: 3.5 lbs. warp and filling; Elongation: 22% minimum; Air permeability: 80 to 100 cu. ft. per minute per sq. ft. of cloth. (Criteria - a1 ID - none)	Refile to form new match item 2901.	X	2901	1990	2901 Nylon parachute cloth. (a) This covers nylon cloth with the following characteristics: Maximum thickness: 1.1 oz. per sq. yd. (35 gr per sq. m.); Minimum thickness: 0.0032 inch (0.08 mm); Minimum tear strength: 40 lbs. per inch warp and filling; Minimum tear strength: 3.5 lbs. warp and filling; Elongation: 22% minimum; Air permeability: 80 to 100 cu. ft. per minute per sq. ft. of cloth. (Criteria - a1 ID - none)
3900	Uncoated paper for dielectric use (condenser films), over 0.004 inches (0.102 mm) up to and including 0.004 inches (0.098 mm) in thickness.	Delete				

*Signifies new or modified definition.

SECRET

SECRET