

Customs Role for Export Control

The 19th Asian Export Control Seminar

Japan – Tokyo

7-9 Feb. 2012

Agenda

- Introduction.
- Laws and regulations.
- Customs role.
- Working methodology.
- Awareness.

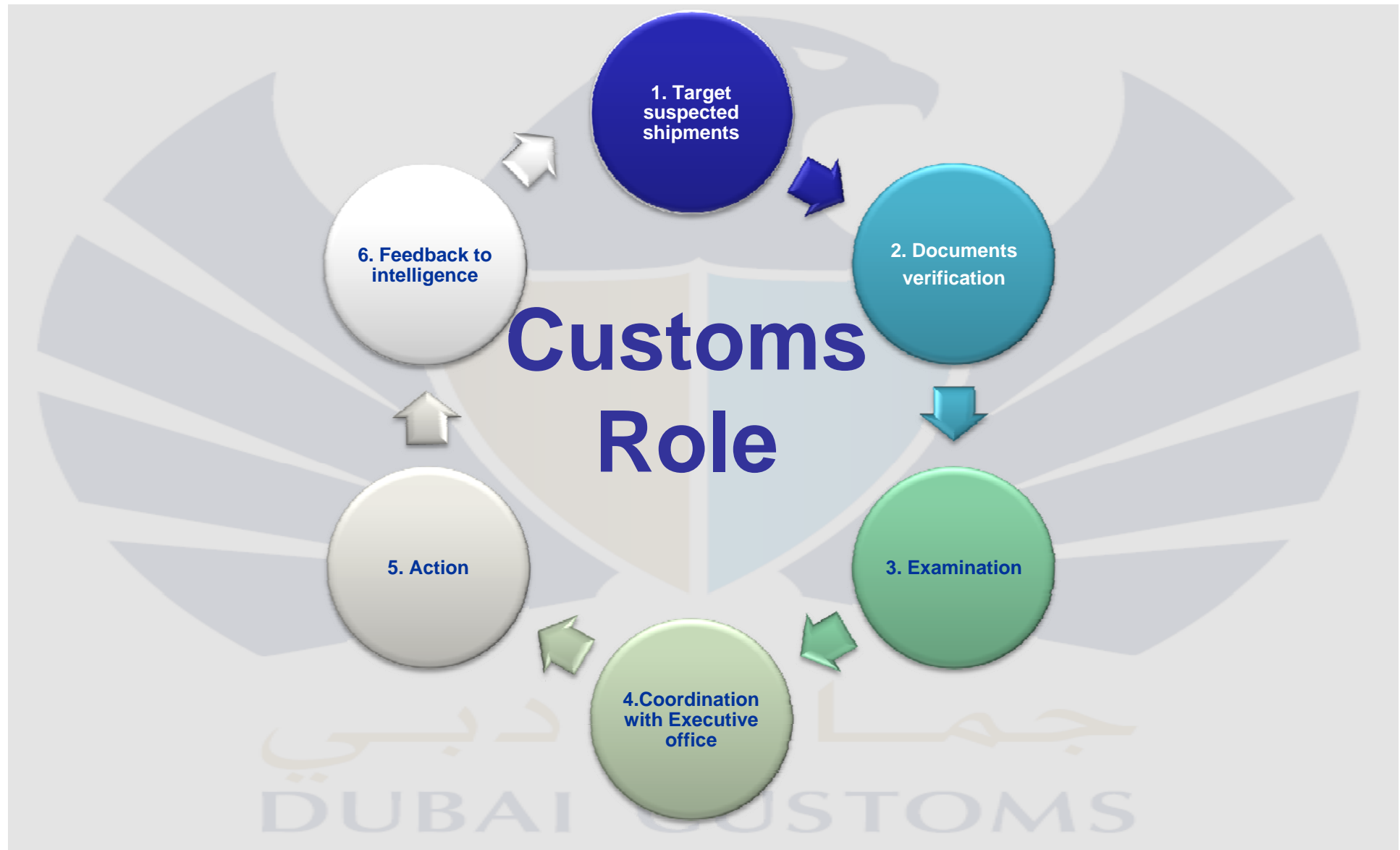
Introduction

Establishment of nonproliferation of WMD section in 2008.

- Participate in the nonproliferation area.
- Monitor and control the export of dual-use items based on international and national treaties, legislations and standards.
- Raise employees capabilities in different aspects of nonproliferation.
- Issue booklets and manuals for training and knowledge purposes.
- Promoting awareness in the private sector and involving them in our strategies of nonproliferation.
- Provide consultations.

Laws and regulations

- UAE is a contracting party to the Atomic Energy Agency.
- Federal law no.13 of 2007 concerning the commodities subject to the monitoring of imports and export.
- Federal law no.12 of 2008 amending federal law no.13 of 2007.
- Common Customs law of the GCC states.



Working methodology

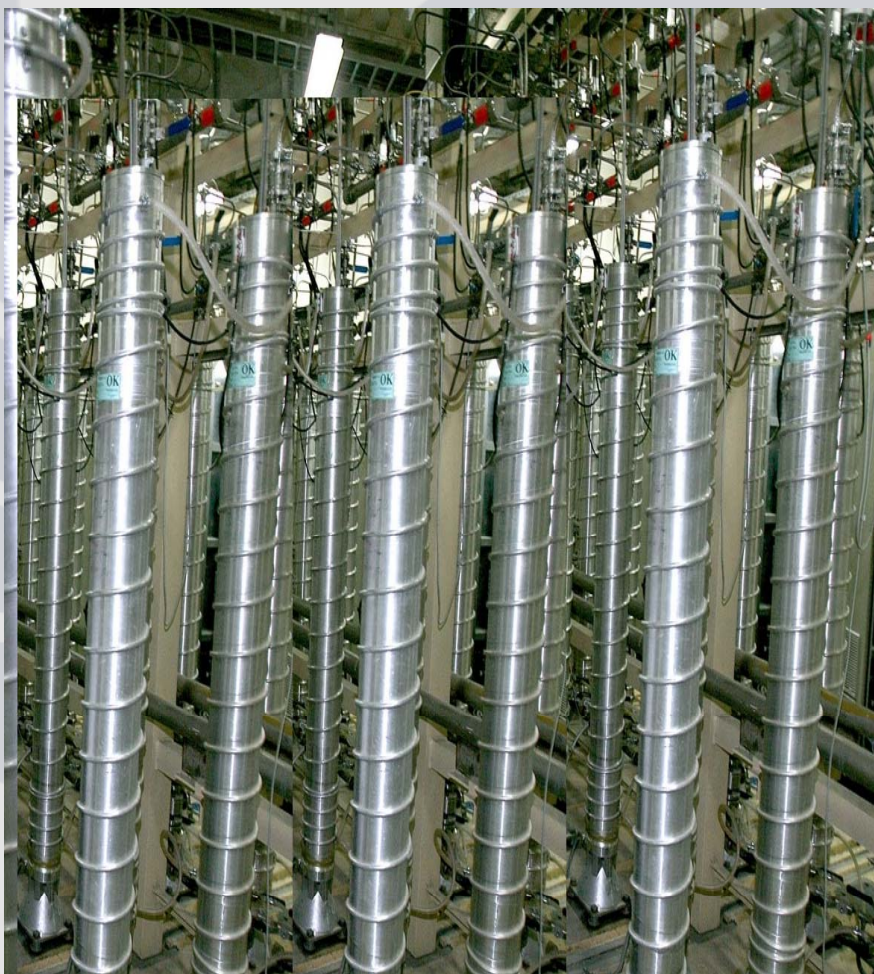
1- Identification based on the specifications

	1. gas centrifuges;
	2. complete rotor assemblies;
	3. rotor tube cylinders with a wall thickness of 12 mm or less, a diameter of between 75 mm and 400 mm, made from 'high strength-to-density ratio materials';
	4. rings or bellows with a wall thickness of 3 mm or less and a diameter of between 75 mm and 400 mm and designed to give local support to a rotor tube or to join a number together, made from 'high strength-to-density ratio materials';
Alloys 0B001b4 centrifuge components	201.0, 2014, 2024, 2090, 2091, 2195, 2219, 6061, 6069, 7001, 7049, 7050, 7075, 7076, 7175, 7178, 8090, Maraging 350, Maraging C300
Alloys 0B001b5 centrifuge components	201.0, 2014, 2024, 2090, 2091, 2195, 2219, 6061, 6069, 7001, 7049, 7050, 7075, 7076, 7175, 7178, 8090, Maraging 350, Maraging C300
Alloys 0B001b6 centrifuge components	201.0, 2014, 2024, 2090, 2091, 2195, 2219, 6061, 6069, 7001, 7049, 7050, 7075, 7076, 7175, 7178, 8090, Maraging 350, Maraging C300
	6. top or bottom caps of between 75 mm and 400 mm diameter to fit the ends of a rotor tube, made from 'high strength-to-density ratio materials';
Alloys 0B001b7 magnetic suspension bearings	13-8 Mo, 15-5 PH, 17-4 PH, 19-9DL, 19-9DX, 21-6-9, 25-4-4, 26-1, 29-4, 29-4-2, 29-4C, 75Ni-20Cr, 201, 201.0, 203, 204, 206, 254SMO, 255, 301, 302, 303, 303 MA, 304, 304 LOW CARBON STEEL, 305, 306, 308, 309, 310, 311, 312, 314, 316, 316 LOW CARBON STEEL, 317, 317 LOW CARBON STEEL, 321, 329, 330, 334, 347, 348, 410 Cb, 410 or 416 or 420, 422, 430 or 440, 431, 434, 441, 446, 505, 603GT, 716, 1100, 2014, 2017, 2018, 2024, 2048, 2090, 2091, 2195, 2219, 2304, 2507, 3003, 5052, 5056, 5086, 5182, 6013, 6025 HT, 6061, 6063, 6069, 6219Si, 7001, 7021, 7029, 7039, 7049, 7050, 7075, 7076, 7175, 7178, 8090, A-286, AF2-1DA, Allcorr, Alloy 3, Alloy 4, Alloy 59, Alloy 720, Alloy 2120, Alloy AC66, Alloy B-4, Alloy B-10, Alumei, AMS 350, AMS 355, B 1900, B-1900 Hf, BNi-2, BNi-3, BNi-4, BNi-5, BNi-5a, BNi-5b, BNi-6, BNi-7, BNi-8, BNi-9, BNi-10, BNi-11, BNi-12, BNi-13, C-1023, Colmonoy 5, Colmonoy 6, CP Ni, Custom 450, Custom 455, CW6M, CW6MC, CW-NiAlMo, CW-NiCrAl, CW-NiCrAlY, CW-NiCrMo, CW-NiCrSi, CW-NiFeAl, CX2MW, CY40, CZ12SiCu, CZ-100, Duplex 2205, Duranickel 301, ENiCrCoMo-1, ENiCrFe-2, ENiCrFe-3, ENiCrFe-4, ENiCrFe-7, ENiCrFe-9, ENiCrFe-10, ENiCrMo-3, ENiCrMo-6, ENiCrMo-7, ENiCrMo-12



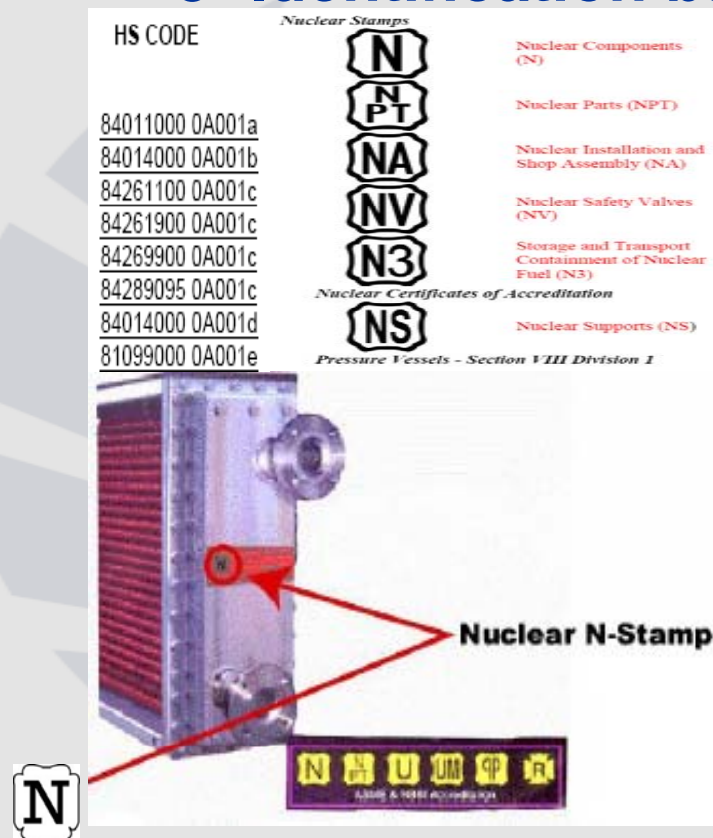
Relating the controlled metal with the controlled items specifications

2- Identification based on item shape/design



Gas Centrifuge

3- Identification based on item symbols or signs



HS CODE	Nuclear Stamps	Nuclear Components (N)
84011000 0A001a	N	Nuclear Components (N)
84014000 0A001b	NPT	Nuclear Parts (NPT)
84261100 0A001c	NA	Nuclear Installation and Shop Assembly (NA)
84261900 0A001c	NV	Nuclear Safety Valves (NV)
84269900 0A001c	N3	Storage and Transport Containment of Nuclear Fuel (N3)
84289095 0A001c	NS	Nuclear Supports (NS)
84014000 0A001d		
81099000 0A001e		

HS CODE	Alloys
0A001f	tubes

0A	Systems, Equipment and Components
0A001	<p>"Nuclear reactors" and specially designed or prepared equipment and components thereof, as follows:</p> <ul style="list-style-type: none"> a. "nuclear reactors" capable of operation so as to maintain a controlled self-sustaining fission chain reaction; b. metal vessels, or major shop-fabricated parts thereof, specially designed or prepared to contain the core of a "nuclear reactor", including the reactor vessel head for a reactor pressure vessel; c. manipulative equipment specially designed or prepared for inserting or removing fuel in a "nuclear reactor"; d. control rods specially designed or prepared for the control of the fission process in a "nuclear reactor", support or suspension structures thereof, rod drive mechanisms and rod guide tubes; e. pressure tubes specially designed or prepared to contain fuel elements and the primary coolant in a "nuclear reactor" at an operating pressure in excess of 5,1 MPa; f. zirconium metal and alloys in the form of tubes or assemblies of tubes in which the ratio of hafnium to zirconium is less than 1:500 parts by weight, specially designed or prepared for use in a "nuclear reactor"; Zircaloy 2, Zircaloy 4, Zr-.65Nb, Zr2.5Nb, Zr R/G g. coolant pumps specially designed or prepared for circulating the primary coolant of "nuclear reactors"; h. 'nuclear reactor internals' specially designed or prepared for use in a "nuclear reactor", including support columns for the core, fuel channels, thermal shields, baffles, core grid plates, and diffuser plates; <p><i>Note: in 0A001.h, 'nuclear reactor internals' means any major structure within a reactor vessel which has one or more functions such as supporting the core, maintaining fuel alignment, directing primary coolant flow, providing radiation shields for the reactor vessel, and guiding in-core instrumentation.</i></p> <ul style="list-style-type: none"> i. heat exchangers (steam generators) specially designed or prepared for use in the primary coolant circuit of a "nuclear reactor"; j. neutron detection and measuring instruments specially designed or prepared for determining neutron flux levels within the core of a "nuclear reactor".

4- Zirconia Crucibles Seizure

2A225 Crucibles made of materials resistant to liquid actinide metals, as follows:

- a. crucibles having both of the following characteristics:
 - 1. a volume of between 1 50 cm³ and 8 000 cm³; and
 - 2. made of or coated with any of the following materials, having a purity of 98 % or greater by weight:
 - a. calcium fluoride (CaF₂);
 - b. calcium zirconate (metazirconate) (CaZrO₃);
 - c. cerium sulphide (Ce₂S₃);
 - d. erbium oxide (erbia) (Er₂O₃);
 - e. hafnium oxide (hafnia) (HfO₂);
 - f. magnesium oxide (MgO);
 - g. nitrided niobium-titanium-tungsten alloy (approximately 50 % Nb, 30 % Ti, 20 % W);
 - h. yttrium oxide (yttria) (Y₂O₃); or
 - i. zirconium oxide (zirconia) (ZrO₂);



ZrO2

Awareness

- Internal : Inspectors Hand Book – Dual Use Items.



-External : On Line Partner's Guide – The Guide To Safe Export.





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Thank you

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