ANNEX I
List of goods and greenhouse gases

1. For the purpose of the identification of goods, this Regulation shall apply to goods listed in the following sectors currently falling under the combined nomenclature ('CN') codes listed below, and shall be those of Council Regulation (EEC) No 2658/87 ([1]).

2. For the purposes of this Regulation, the greenhouse gases relating to goods falling in the sectors listed below, shall be those listed below for each type of goods.

Cement

CN code	**Greenhouse gas**
2523 10 00 – Cement clinkers	Carbon dioxide
2523 21 00 – White Portland cement, whether or not artificially coloured	Carbon dioxide
2523 29 00 – Other Portland cement	Carbon dioxide
2523 90 00 – Other hydraulic cements	Carbon dioxide

Electricity

CN code	**Greenhouse gas**
2716 00 00 – Electrical energy	Carbon dioxide

Fertilisers

CN code	**Greenhouse gas**
2808 00 00 – Nitric acid; sulphonitric acids	Carbon dioxide and nitrous oxide
2814 – Ammonia, anhydrous or in aqueous solution	Carbon dioxide
2834 21 00 - Nitrates of potassium	Carbon dioxide and nitrous oxide
3102 – Mineral or chemical fertilisers, nitrogenous	Carbon dioxide and nitrous oxide
3105 – Mineral or chemical fertilisers containing two or three of the fertilising elements nitrogen, phosphorus and potassium; other fertilisers; goods of this chapter in tablets or similar forms or in packages of a gross weight not exceeding 10 kg - Except: 3105 60 00 – Mineral or chemical fertilisers containing the two fertilising elements phosphorus and potassium	Carbon dioxide and nitrous oxide

[1] Council Regulation (EEC) No 2658/87 of 23 July 1987 on the tariff and statistical nomenclature and on the Common Customs Tariff (OJ L 256, 7.9.1987, p. 1).

Iron and Steel

CN code	Greenhouse gas
72 – Iron and steel Except: 7202 – Ferro-alloys 7204 – Ferrous waste and scrap; remelting scrap ingots and steel	Carbon dioxide
7301- Sheet piling of iron or steel, whether or not drilled, punched or made from assembled elements; welded angles, shapes and sections, of iron or steel	Carbon dioxide
7302 – Railway or tramway track construction material of iron or steel, the following: rails, check-rails and rack rails, switch blades, crossing frogs, point rods and other crossing pieces, sleepers (cross-ties), fish- plates, chairs, chair wedges, sole plates (base plates), rail clips, bedplates, ties and other material specialised for jointing or fixing rails	Carbon dioxide
7303 00 – Tubes, pipes and hollow profiles, of cast iron	Carbon dioxide
7304 – Tubes, pipes and hollow profiles, seamless, of iron (other than cast iron) or steel	Carbon dioxide
7305 – Other tubes and pipes (for example, welded, riveted or similarly closed), having circular cross-sections, the external diameter of which exceeds 406,4 mm, of iron or steel	Carbon dioxide
7306 – Other tubes, pipes and hollow profiles (for example, open seam or welded, riveted or similarly closed), of iron or steel	Carbon dioxide
7307 – Tube or pipe fittings (for example, couplings, elbows, sleeves), of iron or steel	Carbon dioxide
7308 – Structures (excluding prefabricated buildings of heading 9406) and parts of structures (for example, bridges and bridge-sections, lock-gates, towers, lattice masts, roofs, roofing frameworks, doors and windows and their frames and thresholds for doors, shutters, balustrades, pillars and columns), of iron or steel; plates, rods, angles, shapes, sections, tubes and the like, prepared for use in structures, of iron or steel	Carbon dioxide
7309 – Reservoirs, tanks, vats and similar containers for any material (other than compressed or liquefied gas), of iron or steel, of a capacity exceeding 300 l, whether or not lined or heat-insulated, but not fitted with mechanical or thermal equipment	Carbon dioxide

7310 – Tanks, casks, drums, cans, boxes and similar containers, for any material (other than compressed or liquefied gas), of iron or steel, of a capacity not exceeding 300 l, whether or not lined or heat-insulated, but not fitted with mechanical or thermal equipment	Carbon dioxide
7311 – Containers for compressed or liquefied gas, of iron or steel	Carbon dioxide

Aluminium

CN code	**Greenhouse gas**
7601 – Unwrought aluminium	Carbon dioxide and perfluorocarbons
7603 – Aluminium powders and flakes	Carbon dioxide and perfluorocarbons
7604 – Aluminium bars, rods and profiles	Carbon dioxide and perfluorocarbons
7605 – Aluminium wire	Carbon dioxide and perfluorocarbons
7606 – Aluminium plates, sheets and strip, of a thickness exceeding 0,2 mm	Carbon dioxide and perfluorocarbons
7607 – Aluminium foil (whether or not printed or backed with paper, paper-board, plastics or similar backing materials) of a thickness (excluding any backing) not exceeding 0,2 mm	Carbon dioxide and perfluorocarbons
7608 – Aluminium tubes and pipes	Carbon dioxide and perfluorocarbons
7609 00 00 – Aluminium tube or pipe fittings (for example, couplings, elbows, sleeves)	Carbon dioxide and perfluorocarbons

EK–1: FAALİYET KATEGORİLERİ

1. Aşağıda verilen eşik değerleri, genel olarak üretim kapasitelerine veya verimlere atıfta bulunmaktadır. Aynı tesis içerisinde aynı kategoriye tekabül eden birçok faaliyetin yürütüldüğü durumda söz konusu faaliyetlerin kapasiteleri toplanır.

2. Bir tesisin toplam anma ısıl gücü hesaplandığında, tesis dahilindeki yakıtların yakılmakta olduğu, onun parçası olan bütün teknik ünitelerin anma ısıl güçleri toplanır. Bu üniteler her türde kazan, brülör, türbin, ısıtıcı, ocak, insineratör, kalsinatör, döner fırın, fırın, kurutucu, motor, yakıt hücresi, kimyasal döngüsel yakma ünitesi, yakma bacası ve termal veya katalitik yakma sonrası üniteyi bulundurabilir. Anma ısıl gücü 3 megawatt (MW)'ın altında olan ve münhasır olarak biyokütle kullanan üniteler, bu hesaplamada dikkate alınmayacaktır. Münhasır olarak biyokütle kullanan üniteler, sadece ünitenin başlatılmasında veya kapatılmasında fosil yakıtların kullanıldığı üniteleri de ihtiva etmektedir.

Faaliyetler	Sera gazları
Toplam anma ısıl gücü 20 MW ve üzeri tesislerde yakıtların yakılması (tehlikeli veya evsel atıkların yakılması hariç).	Karbon dioksit
Petrol rafinasyonu.	Karbon dioksit
Kok üretimi.	Karbon dioksit
Metal cevheri (sülfür cevheri dâhil) kavrulması, sinterlenmesi veya peletlenmesi.	Karbon dioksit
Kapasitesi 2,5 ton/saat ve üzeri, sürekli döküm de dâhil olmak üzere, pik demir ve çelik üretimi (birincil ve ikincil ergitme).	Karbon dioksit
Toplam anma ısıl gücü 20 MW ve üzeri yakma üniteleri kullanılarak demir içeren metallerin (demirli alaşımlar dâhil) üretimi veya işlenmesi. (İşleme; haddeleme, yeniden ısıtma, tav fırınları, metal işleme, dökümhaneler, kaplama ve dekapajı da ihtiva eder.)	Karbon dioksit
Birincil alüminyum üretimi.	Karbon dioksit ve perflorokarbonlar
Toplam anma ısıl gücü 20 MW ve üzeri yakma üniteleri kullanılarak ikincil alüminyum üretimi.	Karbon dioksit
Toplam anma ısıl gücü (indirgeme maddesi olarak kullanılan yakıtlar dâhil) 20 MW ve üzeri yakma üniteleri kullanılarak alaşımların üretimi, rafine edilmesi, dökümhane dökümü, vb. dâhil olmak üzere demir dışı metallerin üretimi veya işletilmesi.	Karbon dioksit
Günlük kapasitesi 500 ton ve üzeri döner fırınlarda veya günlük kapasitesi 50 tonu aşan diğer ocaklarda klinker üretimi.	Karbon dioksit
Günlük kapasitesi 50 ton ve üzeri döner fırınlarda veya diğer ocaklarda kireç üretimi veya dolomitin veya magnezitin kalsinasyonu.	Karbon dioksit
Günlük ergitme kapasitesi 20 ton ve üzeri cam elyafı da dâhil olmak üzere cam üretimi.	Karbon dioksit

Günlük üretim kapasitesi 75 ton ve üzeri, özellikle çatı kiremitleri, tuğlalar, refrakter tuğlalar, karolar, taş ürünler veya porselen olmak üzere, pişirme ile seramik ürünlerin üretimi.	Karbon dioksit
Günlük ergitme kapasitesi 20 ton ve üzeri, cam, taş veya cüruf kullanılarak mineral elyaf yalıtım malzemesi üretimi.	Karbon dioksit
Toplam anma ısıl gücü 20 MW ve üzeri yakma üniteleri kullanılarak alçı taşının kurutulması veya kalsinasyonu veya alçı panoların ve diğer alçı taşı ürünlerinin üretimi.	Karbon dioksit
Odundan veya diğer lifli malzemelerden selüloz üretimi.	Karbon dioksit
Günlük üretim kapasitesi 20 ton ve üzeri, kâğıt, mukavva veya karton üretimi.	Karbon dioksit
Toplam anma ısıl gücü 20 MW ve üzeri yakma ünitelerinin kullanılarak petrol, katran, kraking ve damıtma kalıntıları gibi organik maddelerin karbonizasyonunu da içeren karbon siyahı üretimi.	Karbon dioksit
Nitrik asit üretimi.	Karbon dioksit ve diazot oksit
Adipik asit üretimi.	Karbon dioksit ve diazot oksit
Glioksal ve glioksilik asit üretimi.	Karbon dioksit ve diazot oksit
Amonyak üretimi.	Karbon dioksit
Günlük üretim kapasitesi 100 ton ve üzeri kraking, reforming, kısmî veya tam yükseltgenme veya benzeri işlemler ile büyük hacimli organik kimyasal maddelerin üretimi.	Karbon dioksit
Günlük üretim kapasitesi 25 ton ve üzeri, reforming veya kısmî yükseltgenme ile hidrojen (H_2) ve sentez gazının üretimi.	Karbon dioksit
Soda külü (Na_2CO_3) ve sodyum bikarbonat ($NaHCO_3$) üretimi.	Karbon dioksit

▼M4

ANNEX I

CATEGORIES OF ACTIVITIES TO WHICH THIS DIRECTIVE APPLIES

1. Installations or parts of installations used for research, development and testing of new products and processes and installations exclusively using biomass are not covered by this Directive.
2. The thresholds values given below generally refer to production capacities or outputs. Where several activities falling under the same category are carried out in the same installation, the capacities of such activities are added together.
3. When the total rated thermal input of an installation is calculated in order to decide upon its inclusion in the ►M9 EU ETS ◄, the rated thermal inputs of all technical units which are part of it, in which fuels are combusted within the installation, are added together. These units could include all types of boilers, burners, turbines, heaters, furnaces, incinerators, calciners, kilns, ovens, dryers, engines, fuel cells, chemical looping combustion units, flares, and thermal or catalytic post-combustion units. Units with a rated thermal input under 3 MW and units which use exclusively biomass shall not be taken into account for the purposes of this calculation. 'Units using exclusively biomass' includes units which use fossil fuels only during start-up or shut-down of the unit.
4. If a unit serves an activity for which the threshold is not expressed as total rated thermal input, the threshold of this activity shall take precedence for the decision about the inclusion in the ►M9 EU ETS ◄.
5. When the capacity threshold of any activity in this Annex is found to be exceeded in an installation, all units in which fuels are combusted, other than units for the incineration of hazardous or municipal waste, shall be included in the greenhouse gas emission permit.
6. From 1 January 2012 all flights which arrive at or depart from an aerodrome situated in the territory of a Member State to which the Treaty applies shall be included.

Activities	Greenhouse gases
Combustion of fuels in installations with a total rated thermal input exceeding 20 MW (except in installations for the incineration of hazardous or municipal waste)	Carbon dioxide
Refining of mineral oil	Carbon dioxide
Production of coke	Carbon dioxide
Metal ore (including sulphide ore) roasting or sintering, including pelletisation	Carbon dioxide
Production of pig iron or steel (primary or secondary fusion) including continuous casting, with a capacity exceeding 2,5 tonnes per hour	Carbon dioxide
Production or processing of ferrous metals (including ferro-alloys) where combustion units with a total rated thermal input exceeding 20 MW are operated. Processing includes, inter alia, rolling mills, re-heaters, annealing furnaces, smitheries, foundries, coating and pickling	Carbon dioxide

▼M4

Activities	Greenhouse gases
Production of primary aluminium	Carbon dioxide and perfluorocarbons
Production of secondary aluminium where combustion units with a total rated thermal input exceeding 20 MW are operated	Carbon dioxide
Production or processing of non-ferrous metals, including production of alloys, refining, foundry casting, etc., where combustion units with a total rated thermal input (including fuels used as reducing agents) exceeding 20 MW are operated	Carbon dioxide
Production of cement clinker in rotary kilns with a production capacity exceeding 500 tonnes per day or in other furnaces with a production capacity exceeding 50 tonnes per day	Carbon dioxide
Production of lime or calcination of dolomite or magnesite in rotary kilns or in other furnaces with a production capacity exceeding 50 tonnes per day	Carbon dioxide
Manufacture of glass including glass fibre with a melting capacity exceeding 20 tonnes per day	Carbon dioxide
Manufacture of ceramic products by firing, in particular roofing tiles, bricks, refractory bricks, tiles, stoneware or porcelain, with a production capacity exceeding 75 tonnes per day	Carbon dioxide
Manufacture of mineral wool insulation material using glass, rock or slag with a melting capacity exceeding 20 tonnes per day	Carbon dioxide
Drying or calcination of gypsum or production of plaster boards and other gypsum products, where combustion units with a total rated thermal input exceeding 20 MW are operated	Carbon dioxide
Production of pulp from timber or other fibrous materials	Carbon dioxide
Production of paper or cardboard with a production capacity exceeding 20 tonnes per day	Carbon dioxide
Production of carbon black involving the carbonisation of organic substances such as oils, tars, cracker and distillation residues, where combustion units with a total rated thermal input exceeding 20 MW are operated	Carbon dioxide
Production of nitric acid	Carbon dioxide and nitrous oxide
Production of adipic acid	Carbon dioxide and nitrous oxide

▼M4

Activities	Greenhouse gases
Production of glyoxal and glyoxylic acid	Carbon dioxide and nitrous oxide
Production of ammonia	Carbon dioxide
Production of bulk organic chemicals by cracking, reforming, partial or full oxidation or by similar processes, with a production capacity exceeding 100 tonnes per day	Carbon dioxide
Production of hydrogen (H_2) and synthesis gas by reforming or partial oxidation with a production capacity exceeding 25 tonnes per day	Carbon dioxide
Production of soda ash (Na_2CO_3) and sodium bicarbonate ($NaHCO_3$)	Carbon dioxide
Capture of greenhouse gases from installations covered by this Directive for the purpose of transport and geological storage in a storage site permitted under Directive 2009/31/EC	Carbon dioxide
Transport of greenhouse gases by pipelines for geological storage in a storage site permitted under Directive 2009/31/EC	Carbon dioxide
Geological storage of greenhouse gases in a storage site permitted under Directive 2009/31/EC	Carbon dioxide
Aviation Flights which depart from or arrive in an aerodrome situated in the territory of a MemberState to which the Treaty applies. This activity shall not include: (a) flights performed exclusively for the transport, on official mission, of a reigning Monarch and his immediate family, Heads of State, Heads of Government and Government Ministers, of a country other than a Member State, where this is substantiated by an appropriate status indicator in the flight plan; (b) military flights performed by military aircraft and customs and police flights; (c) flights related to search and rescue, fire-fighting flights, humanitarian flights and emergency medical service flights authorised by the appropriate competent authority; (d) any flights performed exclusively under visual flight rules as defined in Annex 2 to the Chicago Convention; (e) flights terminating at the aerodrome from which the aircraft has taken off and during which no intermediate landing has been made;	Carbon dioxide