

1969 No. 19

EXPLOSIVES
**The Conveyance by Rail of Military Explosives
Regulations 1969**

Made - - - - - 6th January 1969
Coming into Operation 1st February 1969

In exercise of the powers conferred by the provisions of section 97(5) of the Explosives Act 1875(a), as extended by section 2 of, and paragraph 4 of Schedule 2 to, the Emergency Laws (Miscellaneous Provisions) Act 1947(b) and of the powers conferred by the said provisions (extended as aforesaid) as the same have effect by virtue of the Visiting Forces and International Headquarters (Application of Law) Order 1965(c), and of all other powers enabling them in that behalf, the Secretary of State and the Minister of Technology hereby make the following regulations:—

Citation, Operation and Revocation

1.—(1) These regulations may be cited as the Conveyance by Rail of Military Explosives Regulations 1969 and shall come into operation on 1st February 1969.

(2) The Conveyance by Rail of Government Explosives and Explosives of Visiting Forces Regulations 1956(d) and the Conveyance by Rail of Government Explosives and Explosives of Visiting Forces (Amendment) Regulations 1960(e) are hereby revoked.

(3) Where any conveyance of military explosives has been commenced before the date of the coming into operation of these regulations and has not been completed by that date, those explosives may be conveyed for the rest of that conveyance either in accordance with these regulations, or in accordance with the provisions of the said revoked regulations.

Scope

2. These regulations apply to the conveyance by rail in Great Britain and Northern Ireland of:—

(a) any explosive—

- (i) which, not being under the control of the Secretary of State or the Minister of Technology, is otherwise held for the service of the Crown for the purposes of either of those Ministers, or
- (ii) the conveyance of which is certified by either of those Ministers to be in connection with the execution of a contract with the Minister so certifying; and

(a) 1875 c. 17.

(c) S.I. 1965/1536 (1965 II, p. 4462).

(e) S.I. 1960/1445 (1960 I, p. 1390).

(b) 11 & 12 Geo. 6. c. 10.

(d) S.I. 1956/1049 (1956 I, p. 886).

(b) any explosive—

- (i) which, not being under the control of a headquarters or of the service authorities of a visiting force, is otherwise held for the service of a headquarters or of a visiting force, or
 - (ii) the conveyance of which is certified by the Secretary of State or the Minister of Technology to be in connection with the execution of a contract with a headquarters or of a contract with the service authorities of a visiting force;
- and in these regulations “military explosive” means any explosive specified in sub-paragraph (a) or (b) above, “Government explosive” means any explosive specified in sub-paragraph (a) above and “explosive of a headquarters or a visiting force” means any explosive specified in sub-paragraph (b) above.

Interpretation

3.—(1) The Interpretation Act 1889(a) shall apply for the interpretation of these regulations as it applies for the interpretation of an Act of Parliament.

(2) In these regulations, except where the context otherwise requires, the following expressions shall have the meanings hereby respectively assigned to them, that is to say:—

“appropriate Schedule” means—

(a) in relation to any Government explosive or any explosive of a headquarters, Schedule 1 to these regulations, and

(b) in relation to any explosive of a visiting force—

(i) where the visiting force is a body, contingent or detachment of the forces of the United States of America, Schedule 2 to these regulations, and

(ii) where the visiting force is a body, contingent or detachment of the forces of some other country, Schedule 1 to these regulations;

“approved metallic container”, in any provision, means a metallic container of a type for the time being approved for the purposes of that provision by the railway authority and by one of the following, namely: the Secretary of State, the Minister of Technology, a headquarters, or the service authorities of a visiting force;

“authorised representative”, in the application of these regulations to the conveyance of any military explosive, means a person duly authorised—

(a) by the responsible authority, or

(b) in default of an authorisation by the responsible authority (where the explosive is an explosive of a headquarters or a visiting force), by the Secretary of State or the Minister of Technology, to do anything in connection with such conveyance which an authorised representative is required or authorised to do by these regulations;

“conveyance” means conveyance by rail in any vehicle, and the expressions “convey” and “conveyed” shall be construed accordingly;

“explosive belonging to the safety class” means any military explosive described in the first column of the appropriate Schedule and marked therein by a single star printed against its description;

“headquarters” means an international headquarters or defence organisation set up in pursuance of any arrangements for common defence to which Her Majesty’s Government in the United Kingdom are a party being a

headquarters or defence organisation on or in relation to which the exemptions and immunities contained in section 97 of the Explosives Act 1875, as extended by paragraph 4 of Schedule 2 to the Emergency Laws (Miscellaneous Provisions) Act 1947, are for the time being conferred by virtue of the provisions of Article 12 of, and Schedule 3 to, the Visiting Forces and International Headquarters (Application of Law) Order 1965;

“military explosive”, “Government explosive” and “explosive of a headquarters or a visiting force” have the meanings respectively assigned to them by regulation 2 hereof;

“railway authority” means, in relation to the conveyance of any military explosive—

- (a) where the conveyance is by any railway which forms part of the undertaking of the British Railways Board, that Board; and
- (b) where the conveyance is by any other railway, the person or body carrying on the railway undertaking concerned;

“responsible authority” means—

(a) in relation to the conveyance of any Government explosive—

- (i) where the conveyance is not one which has been certified as herein-after mentioned, the Minister (that is to say, the Secretary of State or the Minister of Technology, as the case may be) for whose purposes that explosive is held for the service of the Crown, and
- (ii) where the conveyance has been certified by the Secretary of State or the Minister of Technology to be in connection with the execution of a contract with the Minister so certifying, that Minister; and

(b) in relation to the conveyance of any explosive of a headquarters or a visiting force—

- (i) where the conveyance is not one which has been certified as herein-after mentioned, the headquarters or, as the case may be, the service authorities of the visiting force, for the service of which that explosive is held, and
- (ii) where the conveyance has been certified by the Secretary of State or the Minister of Technology to be in connection with the execution of a contract with a headquarters or of a contract with the service authorities of a visiting force, that headquarters or, as the case may be, those service authorities;

“Secretary of State” means the Secretary of State for Defence;

“service authorities” means naval, military or air force authorities;

“vehicle” means any railway wagon, railway van, railway truck, railway carriage or other vehicle constructed or adapted for running on a railway; and

“visiting force” means any body, contingent or detachment of the forces of any country, being a body, contingent or detachment on or in relation to which the exemptions and immunities contained in section 97 of the Explosives Act 1875, as extended by paragraph 4 of Schedule 2 to the Emergency Laws (Miscellaneous Provisions) Act 1947, are for the time being conferred by virtue of the provisions of Article 12 of, and Schedule 3 to, the Visiting Forces and International Headquarters (Application of Law) Order 1965.

(3) Any reference in these regulations to the weight of any explosive shall be construed as a reference to the net weight of the explosive substance therein contained (excluding any envelope, case, or contrivance forming part of the explosive) and the said net weight shall be deemed, for the purposes of these regulations, to be such a percentage of the total weight of the explosive (in-

cluding any envelope, case or contrivance aforesaid) as is specified in relation to that explosive in the third column of the appropriate Schedule.

(4) Any reference in these regulations to a covered van shall include a reference to a covered railway container carried in an open truck; and, for the purposes of these regulations, any explosive conveyed in such a container shall be treated as being conveyed in a covered van, and not as being conveyed in an open truck, and any such container shall be treated as part of the vehicle in which it is carried.

Classification of explosives

4.—(1) For the purposes of these regulations, military explosives are divided into—

- (a) Groups indicated by numbers in the second column of the appropriate Schedules,
- (b) Loading Categories indicated by letters in the fourth column of the appropriate Schedules,
- (c) Vehicle Categories indicated by letters in the fifth column of the appropriate Schedules, and
- (d) (except as otherwise provided in regulation 12(2) hereof in relation to explosives belonging to the safety class) Marshalling Categories indicated by letters in the sixth column of the appropriate Schedules,

(the numbering and the lettering having the same significance in each such Schedule), and accordingly (except as otherwise provided in these regulations) references in these regulations to explosives belonging to a Group described by a number or belonging to one of the above Categories described by a letter are references to military explosives the descriptions of which are given in the first column of the appropriate Schedule or Schedules and have set opposite to them in the second column thereof that number or in the fourth, fifth or sixth columns thereof (as the case may be) that letter.

(2) A military explosive which is not of a description given in the first column of the appropriate Schedule shall not be conveyed by rail until the responsible authority has given a direction in writing, stating—

- (a) the description of the explosive (such description being marked with a star if the explosive is to belong to the safety class),
- (b) to which of the Groups and of the Loading and the Vehicle Categories, as mentioned above, the explosive shall belong,
- (c) except where the said description of the explosive has been marked with a star as aforesaid, to which of the above-mentioned Marshalling Categories the explosive shall belong, and
- (d) the percentage of the total weight of the explosive which, for the purposes of these regulations, is to be treated as being the net weight of explosive substance therein contained.

(3) Where, in relation to any conveyance of a military explosive, a direction is given under paragraph (2) of this regulation, the provisions of these regulations (other than the said paragraph (2)) shall apply to that conveyance in all respects as if the description stated in that direction (together with any star as aforesaid) had been included in the first column of the appropriate Schedule and the Group number, the percentage, the Loading and Vehicle Category letters, and any Marshalling Category letter, stated in that direction, had been set opposite to that description in the second, third, fourth, fifth and sixth columns respectively of that Schedule.

Preliminary Notice

5.—(1) Except as otherwise provided in this regulation, no person shall consign for conveyance any consignment of military explosives unless at least forty-eight hours' notice (or such shorter notice as the railway authority may in relation to a specific consignment accept) has been given by the authorised representative to the railway authority of the intention to consign the explosives for conveyance and of the descriptions and quantities of the explosives in the consignment and of the Groups to which they belong.

(2) The provisions of paragraph (1) of this regulation shall not apply to consignments of explosives belonging to the safety class, or to samples of explosives conveyed by passenger train in accordance with the requirements of regulation 7(4) hereof.

(3) No person shall consign for conveyance by passenger train any explosives belonging to the safety class, or any samples of explosives belonging to Group 13 which are to be conveyed in accordance with regulation 7(3) hereof, unless before the conveyance begins the authorised representative has notified the consignee of the time of arrival and has ascertained that the consignee will meet the train on its arrival and will remove the explosives forthwith.

Packing and Marking

6.—(1) Except as otherwise provided in this regulation, where a military explosive is packed for conveyance that explosive shall not be conveyed in any vehicle unless the package containing it complies with the following requirements, that is to say:—

- (a) the package shall bear a label, stencil or brand, indicating that the explosive in the package is a military explosive and stating—
 - (i) the Department of the Minister, the headquarters, or the service authorities of the visiting force, as the case may be, to whom the explosive in the package belongs or to or by whom it has been consigned, and
 - (ii) the Group to which the explosive in the package belongs, or, in the case of an explosive for which the appropriate Schedule is Schedule 2 to these regulations, either the Group to which the explosive belongs or the description of the explosive given in that Schedule; and
- (b) the package shall be sealed and the seal on it shall be one which, in accordance with instructions issued by the responsible authority, is put on packages containing explosives to indicate that they have been properly packed for conveyance.

(2) The provisions of paragraph (1) of this regulation shall not apply to samples of explosives conveyed by passenger train in accordance with the requirements of regulation 7(4) hereof.

(3) Where a military explosive is not packed for conveyance, that explosive shall not be conveyed in any vehicle unless the explosive bears a mark or label stating its identity.

Trains

7.—(1) Except as otherwise provided in this regulation, military explosives shall be conveyed only by merchandise train.

(2) Explosives belonging to the safety class may be conveyed either by passenger train or by merchandise train.

(3) Samples of explosives belonging to Group 13 may be conveyed by passenger train, provided that the following requirements are complied with, that is to say:—

- (a) each sample shall be contained in a steel chemical bottle bearing the description of the contents;
- (b) each sealed chemical bottle shall be fitted in a diaphragm in a steel box and packed around with activated charcoal;
- (c) the steel box shall be marked with the words "C.D. Samples" and shall be securely fastened with steel wire, the ends of which are joined by solder;
- (d) the total weight of the samples in a box shall not exceed 8 ozs.; and
- (e) not more than one box shall be carried on any train.

(4) Without prejudice to the last forgoing paragraph, samples of explosives may be conveyed by passenger train if they are carried on the person or in the hand luggage of—

- (i) a servant of the Crown in the service of the Ministry of Defence or the Ministry of Technology, or
- (ii) a member or person employed in the service of a headquarters or a visiting force

and the following requirements are complied with, that is to say:—

- (a) before starting his journey, the person carrying the sample (in this paragraph referred to as "the passenger") shall be in possession of two copies of a permit issued in respect of that journey and signed personally (not stamped) by an officer of the responsible authority who is authorised to sign such permits (a list of all such authorised officers being from time to time notified to the railway authority by the Secretary of State, the Minister of Technology, each headquarters and the service authorities of visiting forces);
- (b) the permit shall be in a form which has been notified to the railway authority by the Secretary of State and the Minister of Technology and which states the description of the explosives to be carried and the date on which, the route by which, and the railway stations to and from which, the passenger will travel;
- (c) the passenger shall hand one copy of the permit to the booking clerk at the station from which the journey begins when obtaining his railway ticket, he shall carry the other copy of the permit with him on his journey and produce it for inspection when required by any servant of the railway authority to do so, he shall give it up when his railway ticket is collected or given up, and he shall in all respect comply with the terms of the permit;
- (d) the explosives shall be so packed and handled, and all such other proper precautions shall be taken, as to reduce so far as practicable the risk of accident;
- (e) the explosives shall throughout the conveyance be kept in the compartment in which the passenger is travelling and shall be constantly attended by him;
- (f) the quantity of the explosives conveyed shall not exceed the amount which can be conveniently carried on the person or in the hand luggage of a passenger; and
- (g) the explosives shall not consist of or contain any liquid nitro-glycerine or liquid nitro-glycol or any of the following explosives (otherwise than

when contained in manufactured ammunition), that is to say, lead azide, acetylides, percussion cap compositions, dry lead styphnate, dry mercury fulminate, or other initiating compositions of similar sensitivity.

(5) Regulations 8 to 14 inclusive hereof shall not apply to any conveyance of military explosives by passenger train under paragraph (2), (3) or (4) of this regulation, or to anything connected with any such conveyance.

(6) Notwithstanding any of the foregoing provisions of this regulation, no explosive shall, except as provided in paragraph (7) of this regulation, be conveyed on any London Transport railway, that is to say—

(a) on any railway the operation of which forms part of the passenger transport services provided by the London Transport Board, or

(b) on the railway in London (known as the City Widened Lines) which runs between King's Cross (York Road), St. Pancras and Moorgate.

(7) The prohibition contained in the last foregoing paragraph shall not apply to the conveyance of explosives—

(a) by passenger train on the line between Harrow South Junction and Amersham (including the Chesham Branch), if the train is one run otherwise than as part of the passenger transport services provided as aforesaid by the London Transport Board, or

(b) by merchandise train on the line between Harrow South Junction and Amersham (including the Watford and Chesham Branches), and the line between East Putney and Wimbledon.

Vehicles

8.—(1) The following are the appropriate types of vehicle for the conveyance of explosives belonging to the under-mentioned Vehicle Categories, that is to say—

Vehicle Category B gunpowder van;

Vehicle Categories C and D covered van;

Vehicle Category D open truck;

and, except as provided by regulation 9(7) hereof, no military explosive shall be conveyed by merchandise train in a type of vehicle other than that appropriate to the Vehicle Category to which it belongs.

(2) Only vehicles which are of sound construction and in good condition shall be used for the conveyance of military explosives.

(3) Vehicles fitted with grease-lubricated axle-boxes but not fitted with roller bearings, and vehicles which have doors in the floor, shall not be used for the conveyance of military explosives.

(4) Vehicles fitted with end doors shall not be used for the conveyance of military explosives unless approved for the purpose by the railway authority.

(5) Vehicles containing military explosives shall, before the conveyance begins, be made secure and shall throughout the conveyance be kept secure, as follows:—

(a) gunpowder vans shall be secured by hoop seals on both sides;

(b) covered vans shall be secured by hoop seals on both sides; and

(c) open trucks shall be covered with sheets properly stretched over them and securely fastened with sheet ties, except where the size and structure of the explosives are such that sheeting would be difficult and would also be unnecessary for their protection.

Segregation

9.—(1) Except as provided in paragraphs (2), (3) and (4) of this regulation, no military explosive shall be conveyed in any vehicle together with any other article or substance.

(2) The separate tail portion of any aircraft bomb may be conveyed in the same vehicle as the bomb to which it belongs.

(3) Explosives belonging to the safety class may be conveyed along with other freight in a covered van, provided that such freight does not consist of or contain any article or substance classified by the railway authority as dangerous goods.

(4) Military explosives—except those belonging to Group 13, other than steel chemical bottles (when packed in activated charcoal), lachrymatory explosives and chemical ampoules—may be conveyed along with ordinary goods traffic in a vehicle not containing any article or substance classified by the railway authority as dangerous goods, provided that such explosives are suitably packed in approved metallic containers.

(5) None of the provisions of regulations 11 and 12, except regulation 11(1)(g) so far as material, shall apply to any conveyance which falls within paragraphs (3) or (4) of this regulation or to anything connected with any such conveyance.

(6) Except as provided by paragraph (7) of this regulation, there shall not be loaded into any one vehicle explosives belonging to more than one Loading Category (which Categories are respectively indicated by the letters E, F, G, H, K, L, N and W in the fourth column of the appropriate Schedule).

(7) Explosives belonging to any of Loading Categories E, F, H and N may be loaded into the same vehicle, provided that—

- (a) the aggregate weight of the explosives (excluding any belonging to the safety class) does not exceed 2,000 lb.,
- (b) the vehicle is a gunpowder van or (except where any of the explosives belong to Vehicle Category B) a covered van, and
- (c) any explosives belonging to Loading Category N are suitably packed in approved metallic containers.

Weight Limits

10.—(1) The following are respectively the maximum weights of explosive which may be conveyed at one time in the several types of vehicle, that is to say:—

- (a) in a gunpowder van ... 16,000 lb. of explosive,
- (b) in a covered van ... 16,000 lb. of explosive,
- (c) in an open truck ...
 - (i) when used for conveying a load in which the explosives consist exclusively of any one or more (so far as permitted by regulation 9 hereof) of the following, that is to say, aircraft bombs belonging to Groups 5 or 6, high explosive rockets, high capacity rocket motors (boxed or loose), and any explosives belonging to Groups 7 or 7A—18,000 lb. of explosive, and
 - (ii) when used for conveying any other load—4,000 lb. of explosive.

(2) In applying the provisions of the foregoing paragraph, explosives belonging to the safety class shall be disregarded.

Loading, Unloading and Conveyance

11.—(1) The following provisions shall, subject as hereinafter provided, apply to the conveyance in any vehicle and to the loading and unloading into and out of any vehicle of military explosives:—

- (a) loading or unloading on premises which are under the control of the railway authority shall only be carried out with the consent of that authority and of any other person whose consent is made requisite by any other regulations made under section 97(5) of the Explosives Act 1875;
- (b) the vehicle shall be swept clean before loading begins;
- (c) subject to sub-paragraph (a) of this paragraph, when loading or unloading has begun it shall be carried through to completion with diligence and despatch;
- (d) loading and unloading shall be carried out under the supervision of the authorised representative and shall not begin until he has inspected both the vehicle and either the explosives or, where they are in a package, the package containing them;
- (e) every person loading or unloading a gunpowder van shall, when inside the van, wear magazine boots or shoes;
- (f) no person shall smoke while loading or unloading, or at any time while within twenty yards of explosives being handled;
- (g) explosives shall be carefully handled during loading and unloading and shall be properly stowed in the vehicle and secured so as to prevent movement in transit (and in particular fully assembled rockets, and rocket motors conveyed in a self-propulsive state, shall be stowed lengthwise in the vehicle);
- (h) if in the course of conveyance, loading or unloading, any explosive or any package containing explosive, or the seal of any such package, appears to be damaged, the explosive or package, as the case may be, (including any undamaged contents of any such package) shall be set aside for examination by the authorised representative and shall be dealt with in such manner as he may specify;
- (i) any explosive which in the course of conveyance, loading or unloading escapes from any package shall be carefully collected and dealt with in such manner as the authorised representative may specify;
- (j) the authorised representative shall ensure that any explosive or package which is set aside or collected in accordance with the provisions of the last two foregoing sub-paragraphs, shall be dealt with or disposed of safely;
- (k) explosives shall be removed from the premises of the railway authority as soon as practicable after they have arrived at their destination;
- (l) no intoxicated person shall be allowed to enter the vehicle, or to approach or remain near to the vehicle or the explosives, while loading or unloading is being carried out; and
- (m) without prejudice to any of the foregoing provisions of this regulation, all persons taking part in the loading, unloading or conveyance of explosives shall at all times observe all due precautions for the prevention of accidents by fire or explosion, and for preventing unauthorised persons from having access to the explosives, and shall abstain from, and shall

take all necessary steps to prevent any other person from doing, any act whatever which tends to cause fire or explosion and is not reasonably necessary for the purpose of the loading, unloading or conveyance of the explosives or of any other article carried therewith.

(2) Where at any time in the course of conveyance it becomes necessary, whether by reason of an accident, or of a defect in the vehicle in which they are being carried, or otherwise, to transfer explosives from one vehicle to another during a journey, then—

- (a) the presence of the authorised representative and the supervision and preliminary inspection by him, prescribed by paragraph (1)(d) of this regulation, shall be necessary only when the explosives or the packages containing them have been damaged, or when there are reasonable grounds for believing that they have been damaged, by the occurrence which rendered the transfer necessary, and
- (b) the wearing of magazine boots or shoes, as prescribed by paragraph (1)(e) of this regulation, shall only be necessary if the authorised representative supervising the operation so directs.

Marshalling

12.—(1) Except as hereinafter provided, every vehicle containing military explosives shall bear on each side, in a conspicuous position, a label (supplied by the responsible authority) indicating the Marshalling Category to which the explosives therein belong (the Marshalling Categories being respectively indicated by the letters J, W and Y in the sixth column of the appropriate Schedules).

(2) Explosives belonging to the safety class shall have no Marshalling Category and shall be disregarded in applying the provisions of paragraph (3) of this regulation, but where a vehicle which contains such explosives contains no other explosives, that vehicle shall bear on each side, in a conspicuous position, a label (supplied as aforesaid) indicating that explosives belonging to the safety class are therein.

(3) Where explosives of more than one Loading Category are conveyed in the same vehicle in accordance with regulation 9(7) hereof, or where explosives of the same Loading Category but of more than one Marshalling Category are conveyed in the same vehicle, then, in either event, the explosives therein shall be deemed to belong to Marshalling Category Y and the vehicle shall be labelled accordingly.

(4) Where a train comprises more than five vehicles containing military explosives, the following provisions shall apply to the composition of the train and the marshalling of the vehicles therein:—

- (a) the train shall not comprise more than sixty vehicles containing explosives;
- (b) where more than five vehicles in all on the train contain explosives which belong to Marshalling Category Y, that train shall not comprise more than thirty vehicles containing explosives;
- (c) where the train comprises any vehicles containing explosives which belong to Marshalling Category W, that train shall not comprise more than five vehicles in all containing explosives which belong to either or both of Marshalling Categories J and Y;
- (d) where the train comprises more than one vehicle containing explosives which belong to Marshalling Category Y, those vehicles shall be directly

- coupled together in a group or groups, but not more than five such vehicles shall be directly coupled together in any one group;
- (e) where the train comprises more than five vehicles containing explosives which belong to Marshalling Category Y, every directly coupled group of such vehicles shall be separated from the engine and from any other such group or any such vehicle by a vehicle or vehicles—
- (i) of which the length or, in the case of two or more vehicles, the combined length is not less than 38 feet, and
 - (ii) which are empty or contain only articles or substances not classified by the railway authority as dangerous goods; and
- (f) the train shall not comprise any vehicle containing inflammable liquid or compressed gases or any tank vehicle containing white phosphorus or high test hydrogen peroxide.

Conveyance of Group 13 Explosives

13.—(1) Explosives belonging to Group 13, other than shell, mortar ammunition, steel chemical bottles (when packed in activated charcoal), lachrymatory explosives and chemical ampoules, shall not be conveyed by rail unless they are accompanied during their conveyance, in the manner specified by paragraph (3) of this regulation, by a person who has, or by persons who have, been appointed by the responsible authority to accompany those explosives on that conveyance in order that he or they may be available to give advice as to the handling and disposition of the explosives and to assume responsibility for dealing with them in the event of any accident or emergency arising in the course of their conveyance.

(2) Where the foregoing provisions of this regulation apply, the responsible authority shall furnish, or cause to be furnished, to the person or persons appointed in pursuance of the said provisions—

- (a) protective clothing and equipment for that person or those persons and for at least five other persons, of a kind which will afford reasonable protection against personal injury from gas or chemicals if it should become necessary to deal with any accident or emergency arising during the course of the conveyance of the explosives, and
- (b) sufficient suitable equipment for use to prevent injurious consequences arising from any contamination of the vehicle, or any thing, by the chemical content of the explosives.

(3) The person or persons appointed as aforesaid shall travel in the guard's van, or a similar van, on the train by which the said explosives are being conveyed, and shall carry in that van the equipment furnished as aforesaid, and shall comply in all respects with the instructions of the guard of the train so far as regards the train's travelling and operation.

Decontamination of Vehicles etc. used for the Conveyance of Group 13 Explosives

14.—(1) The responsible authority shall ensure that every vehicle, and all sheets, sheet ties, ropes, dunnage and other material, used for any conveyance to which regulation 13 hereof applies, is examined as soon as practicable after the explosives have been unloaded from the vehicle.

(2) If upon such examination it appears that any part of the vehicle, or any such material is contaminated by any chemical or other matter which may have leaked or escaped from the explosives, it shall be the duty of the responsible authority—

- (a) to remove or render harmless any contaminating matter on or in the vehicle or material aforesaid,

- (b) to examine the track where the unloading has been carried out and any other place, matter or thing likely to have been affected by the leakage or escape, and to remove or render harmless any contaminating matter thereon or therein, and
- (c) to furnish to the railway authority in writing a statement signed on behalf of the responsible authority that such matter has been removed or rendered harmless.
- (3) No vehicle or material as aforesaid which has been used for any such conveyance shall be used for or in connection with the carriage of any article whatsoever, until—
- (a) the examination required by paragraph (1) of this regulation has been performed, and
- (b) if on such examination the vehicle or material appears to be contaminated as aforesaid, the requirements of paragraph (2) of this regulation have been complied with as respects that vehicle or material.
- (4) Where there has occurred any such leakage or escape as is referred to in paragraph (2) of this regulation, the track where the unloading has been carried out, and any other place, matter or thing likely to have been affected by the leakage or escape, shall not be further used until the examination required by paragraph (2)(b) of this regulation has been performed and, where necessary, the contaminating matter thereon or therein removed or rendered harmless.

Conveyance of Deteriorated Explosives

15. If any military explosive has for any reason undergone such deterioration or change of condition as materially to increase the risks likely to attend its conveyance, that explosive shall not be consigned for conveyance until the responsible authority has notified the railway authority in writing of the fact of such deterioration or change and has agreed with him what precautions (if any), in addition to those prescribed by the foregoing regulations, shall be taken in relation to its conveyance.

2nd January 1969.

Denis Healey,
One of Her Majesty's Principal
Secretaries of State.

6th January 1969.

Anthony Wedgwood Benn,
Minister of Technology.

Regulation 4

SCHEDULE 1

CLASSIFICATION OF GOVERNMENT EXPLOSIVES

Description (Generic Transport Designation)	Group	Percentage of Total Weight constituting Net Weight of Explosive Substance	Rail Loading Category	Rail Vehicle Category	Rail Marshalling Category
Adapters, booster.	6	30	F	C	Y
Adapters, exploder.	6	20	F	C	Y
Adapters, "K".	6	10	F	C	J
Amatex.	4	75	E	C	Y
Amatol.	4	75	E	C	Y
Ammonal.	4	75	E	C	Y
Ammonium picrate.	4	60	E	C	Y
Ampoules, chemical.	13	50	W	D	W
Ballistite.	1	75	E	C	Y
Ballistite, in Service dust-tight packages.	2	75	E	C	Y
Bangalore torpedoes.	8	30	F	D	Y
Baratol.	4	75	E	C	Y
Battle noises.	4	40	E	C	Y
Blasting explosive.	2	70	E	C	Y
Bombs, A.R.P.	9	10	H	C	J
Bombs, aircraft, A.P.	5	10	F	D	Y
Bombs, aircraft, H.E. (High Charge).	7	75	F	D	Y
Bombs, aircraft, H.E. (Low Charge) (boxed).	6	20	F	D	Y
Bombs, aircraft, H.E. (Low Charge) (loose).	5	20	F	D	Y
Bombs, aircraft, H.E. (Medium Charge).	5	55	F	D	Y
Bombs, aircraft, training.	5	1	F	D	J
Bombs, chemical.	13	75	W	D	W
Bombs, demolition.	8	25	F	C	Y
Bombs, incendiary.	11	16	H	C	J
Bombs, incendiary, (M.C.).	11	30	H	C	J
Bombs, incendiary, liquid.	15	38	L	C	J
Bombs, incendiary, W.P.	12	10	K	C	J
Bombs, practice, flash.	9	13	H	C	J
Bombs, smoke.	11	4	H	C	J
Bombs, T.I.	9	25	H	C	J
Bottles, chemical.	13	15	W	D	J
Boxes, junction.	6	2	F	C	J
Busters, bomb.	6	10	F	C	J
Bursters, gunpowder.	1	70	E	B	Y
Bursters, gunpowder, in Service dust-tight packages.	2	70	E	C	Y
Bursters, H.E.	1	70	E	B	Y
Bursters, H.E., in Service dust-tight packages.	2	70	E	C	Y
Bursters, limpet.	8	40	F	C	Y
Bursters, mine.	6	10	F	C	J
Candles, rocket, flare.	9	30	H	C	J
Candles, smoke.	11	6	H	C	J
Candles, smoke, M.C.	11	20	H	C	J
*Caps, percussion.	6	25	F	C	J
Capsules, delay.	6	2	F	C	J
*Cartridges, aiming rifle.	6	5	F	C	J
Cartridges, B.L.	3	50	E	C	J
Cartridges, B.L. (L.C.).	3	10	E	C	J

Description (Generic Transport Designation)	Group	Percentage of Total Weight constituting Net Weight of Explosive Substance	Rail Loading Category	Rail Vehicle Category	Rail Marshal- ling Category
Cartridges, B.L. (M.C.).	3	30	E	C	J
Cartridges, B.L., with tubes.	6	65	F	C	J
*Cartridges, bolt.	6	3	F	C	—
*Cartridges, cable cutting.	6	2	F	C	—
Cartridges, ejection.	6	20	F	C	J
Cartridges, electric, (H.C.).	6	30	F	C	J
Cartridges, electric, (L.C.).	6	5	F	C	J
Cartridges, engine starter.	6	30	F	C	J
Cartridges, flash.	9	10	H	C	J
Cartridges, illuminating.	9	30	H	C	J
Cartridges, impulse, torpedo, cordite.	6	25	F	C	J
Cartridges, impulse, torpedo, gunpowder.	6	25	F	C	Y
Cartridges, lachrymatory.	13	5	W	D	W
*Cartridges, link.	6	3	F	C	—
Cartridges, lowering under-carriage.	6	25	F	C	J
Cartridges, depth charge thrower.	6	25	F	C	J
*Cartridges, mortar, primary.	6	10	F	C	—
Cartridges, mortar, augmenting.	1	50	E	C	Y
Cartridges, mortar, augmenting, in Service dust-tight packages.	2	50	E	C	Y
Cartridges, percussion (H.C.).	6	25	F	C	J
Cartridges, percussion (L.C.).	6	10	F	C	J
*Cartridges, pistol.	6	10	F	C	—
*Cartridges, punch.	6	3	F	C	—
Cartridges, Q.F., chemical.	13	5	W	D	W
Cartridges, Q.F., H.E.	6	12	F	C	J
Cartridges, Q.F., H.E., high charge.	6	30	F	C	Y
Cartridges, Q.F., incendiary.	11	6	H	C	J
Cartridges, Q.F., practice.	6	12	F	C	J
Cartridges, Q.F., radar echo.	6	15	F	C	J
Cartridges, Q.F., separate.	6	25	F	C	J
Cartridges, Q.F., separate (L.C.).	6	10	F	C	J
Cartridges, Q.F., separate, gunpowder.	6	10	F	C	Y
Cartridges, Q.F., shot.	6	10	F	C	J
Cartridges, Q.F., shrapnel.	6	10	F	C	J
Cartridges, Q.F., smoke.	11	6	H	C	J
Cartridges, Q.F., smoke, F.M. or C.S.A.M.	11	6	H	C	J
Cartridges, Q.F., smoke, W.P.	12	10	K	C	J
Cartridges, Q.F., star.	6	12	F	C	J
*Cartridges, radar-echo.	6	1	F	C	—
*Cartridges, rim fire.	6	2	F	C	—
*Cartridges, rocket.	6	10	F	C	—
*Cartridges, S.A., ball.	6	8	F	C	—
Cartridges, S.A., H.E.	6	12	F	C	Y
Cartridges, S.A., H.E./I.	6	12	F	C	Y
Cartridges, S.A., incendiary.	6	11	F	C	J
*Cartridges, S.A., piercing.	6	11	F	C	—
*Cartridges, S.A., separate.	6	6	F	C	—
*Cartridges, S.A., tracer.	6	12	F	C	—
Cartridges, S.A., W.P.	12	10	K	C	J

Description (Generic Transport Designation)	Group	Percentage of Total Weight constituting Net Weight of Explosive Substance	Rail Loading Category	Rail Vehicle Category	Rail Marshal- ling Category
*Cartridges, shot-gun.	6	1	F	C	—
Cartridges, signal.	9	30	H	C	J
*Cases, cartridges, capped.	6	1	F	C	—
Charges, cased.	6	50	F	C	Y
Charges, cased, medium.	6	30	F	C	Y
Charges, cased, small.	6	15	F	C	Y
Charges, demolition.	7	60	F	C	Y
Charges, gunpowder.	1	40	E	B	Y
Charges, gunpowder, in Service dust-tight packages.	2	40	E	B	Y
Charges, line.	7	60	F	D	Y
Charges, propellant, incre- mental.	3	35	E	C	J
Charges, propelling, gun- powder.	1	40	E	B	Y
Charges, propelling, gun- powder in Service dust-tight packages.	2	40	E	B	Y
Clusters, flare.	9	25	H	C	J
Clusters, incendiary.	11	11	H	C	J
Clusters, incendiary, W.P.	12	10	K	C	J
Composition, illuminating.	1	75	E	B	Y
Composition, initiating, R.D., dry 1 oz. sample.	10	1	N	D	J
Composition, initiating, R.D., wet.	10	50	N	C	Y
Composition, match.	1	75	E	B	Y
Composition, priming.	1	75	E	B	Y
Composition, rocket.	1	75	E	B	Y
Composition, rocket, life- saving.	1	75	E	B	Y
Compositions, (Type A), P.N.	1	75	E	B	Y
Compositions, (Type A), S.R.	1	75	E	B	Y
Compositions, (Type B), P.N.	1	75	E	B	Y
Compositions, (Type B), S.R.	1	75	E	B	Y
Compositions, (Type C), P.N.	11	60	H	C	J
Compositions, (Type C), S.R.	11	60	H	C	J
Compositions, (Type D), P.N.	11	60	H	C	J
Compositions, (Type D), S.R.	11	60	H	C	J
Compositions, (Type E), P.N.	13	3	W	D	W
Compositions, (Type F), P.N.	1	75	E	B	J
Compositions, (Type F), S.R.	1	75	E	B	J
Compositions, (Type G), P.N.	1	75	E	B	J
Compositions, (Type G), S.R.	1	75	E	B	J
Compositions, (Type H), P.N.	11	60	H	C	J
Compositions, (Type H), S.R.	11	60	H	C	J
Compositions, (Type J), P.N.	11	60	H	C	J
Compositions, (Type J), S.R.	11	60	H	C	J
Compositions, (Type K), P.N.	9	60	H	C	Y
Compositions, (Type K), S.R.	9	60	H	C	Y
Compositions, (Type L), P.N.	9	60	H	C	Y
Compositions, (Type L), S.R.	9	60	H	C	Y
Containers, chemical.	13	75	W	D	W
Cordite.	3	65	E	C	J
Cordite, small arms, granular.	1	75	E	C	Y
Cordite, small arms, granular, in Service dust-tight packages.	2	75	E	C	Y
Cordtex.	8	17	E	C	Y
Crackers, blank.	9	3	H	C	J
Demolition explosives.	4	70	E	C	Y

Description (Generic Transport Designation)	Group	Percentage of Total Weight constituting Net Weight of Explosive Substance	Rail Loading Category	Rail Vehicle Category	Rail Marshaling Category
Depth charges.	7	75	F	D	Y
Destructors, contact.	8	30	F	C	Y
Destructors, H.E.	8	15	F	C	Y
Destructors, incendiary.	11	16	H	C	J
Detonator bursters.	10	15	N	C	Y
Detonators.	10	3	N	C	Y
Di-nitro-phenol.	4	75	E	C	Y
Di-nitro-resorcinol.	4	60	E	C	Y
Ejectors, contents.	6	20	F	C	J
Ejectors, electric.	6	20	F	C	J
Ejectors, flare.	6	20	F	C	J
Exploders, C.E., (Tetryl).	1	65	E	C	Y
Exploders, C.E. (Tetryl) in Service dust-tight packages.	2	65	E	C	Y
Exploders, picric.	4	75	E	C	Y
Exploders, picric powder.	1	75	E	C	Y
Exploders, picric powder, in Service dust-tight packages.	2	75	E	C	Y
Exploders, R.D.X./Wax.	4	60	E	C	Y
Exploders, T.N.T.	4	70	E	C	Y
Explosive sweeps.	8	15	F	C	Y
Flares, ground.	9	50	H	C	J
Flares, identification.	9	50	H	C	J
Flares, illuminator.	9	50	H	C	J
Flares, incendiary.	11	4	H	C	J
Flares, pyrotechnic, large.	9	40	H	C	J
Flares, pyrotechnic, medium.	9	20	H	C	J
Flares, pyrotechnic, small.	9	10	H	C	J
Flares, reconnaissance.	9	12	H	C	J
Flares, signal.	9	50	H	C	J
Flashes, photographic (large).	5	50	F	D	Y
Flashes, photographic (medium).	6	30	F	C	Y
Floats, flare.	9	50	H	C	J
Floats, lachrymatory.	13	5	W	D	W
Floats, signal.	6	20	F	C	J
Floats, smoke.	11	5	H	C	J
Floats, smoke and flame.	9	50	H	C	J
Fulminate of mercury, dry, 1 oz. sample.	10	1	N	D	J
Fulminate of mercury, wet.	10	50	N	C	Y
Fuse, detonating.	8	5	E	C	Y
Fuse, instantaneous.	6	1	F	C	J
*Fuse, safety.	6	7	F	C	—
Fuze powders.	1	70	E	B	Y
Fuzes.	6	3	F	C	J
Fuzes, mine, A.Tk., No. 3.	10	10	N	C	Y
Fuzes, with exploders.	6	10	F	C	Y
Gaines.	6	6	F	C	J
Generators, chemical.	13	55	W	D	W
Generators, gas, power.	15	10	L	C	J
Generators, lachrymatory.	13	50	W	D	W
Generators, smoke.	11	60	H	C	J
Grenades, chemical.	13	20	W	D	W
Grenades, H.E.	8	13	F	C	J
Grenades, H.E./H.C.	8	30	F	C	Y
Grenades, H.E./M.C.	8	10	F	C	Y
Grenades, incendiary.	11	2	H	C	J
Grenades, lachrymatory.	13	20	W	D	W
Grenades, signal.	9	12	H	C	J

Description (Generic Transport Designation)	Group	Percentage of Total Weight constituting Net Weight of Explosive Substance	Rail Loading Category	Rail Vehicle Category	Rail Marshal- ling Category
Grenades, smoke.	11	20	H	C	J
Grenades, smoke, W.P.	12	25	K	C	J
Guncotton, dry.	1	30	E	B	Y
Guncotton, dry, in Service dust-tight packages.	2	30	E	B	Y
Guncotton sets, demolition.	4	50	E	C	Y
Guncotton, wet.	4	54	E	C	Y
Guncotton, wet, loose.	4	30	E	C	Y
Gunpowder.	1	70	E	B	Y
Gunpowder in Service dust- tight packages.	2	70	E	B	Y
Heads, rocket, pyrotechnic.	9	30	H	C	J
Heads, rocket, flare.	9	18	H	C	J
Heads, rocket, radar echo.	6	2	F	C	J
Heads, rocket, target.	9	16	H	C	J
Heads, T-cutters.	6	15	F	C	J
H.M.X., wet.	4	60	E	C	Y
Igniters.	6	5	F	C	J
Igniters, electric.	6	1	F	C	J
Igniters, flame thrower.	9	10	H	C	J
Igniters, fuse,	6	12	F	C	J
Igniters, gunpowder.	1	70	E	B	Y
Igniters, gunpowder in Service dust-tight packages.	2	70	E	B	Y
Igniters, rocket.	9	10	H	C	J
*Igniters, safety.	6	1	F	C	—
Igniters, shell.	6	30	F	C	J
Igniters, smoke.	9	30	H	C	J
Igniters, torpedo.	11	12	H	C	J
Indicators, A.S., training.	9	10	H	C	J
Indicators, mine firing.	9	15	H	C	J
Inflammable liquid or gel ammunition (H.C.).	15	30	L	C	J
Inflammable liquid or gel ammunition (L.C.).	15	10	L	C	J
Inflammable liquid or gel ammunition (M.C.).	15	20	L	C	J
Initiators, thermal.	6	2	F	C	J
Kits, waterproofing.	8	5	F	C	Y
Lead azide, wet or dry, 1 oz. sample.	10	1	N	D	J
Lights, Service.	9	60	H	C	J
Markers, smoke.	11	10	H	C	J
Mines, alarm.	9	1	H	C	J
Mines, anti-personnel.	8	25	F	C	Y
Mines, cases, charge.	7	60	F	D	Y
Mines, chemical.	13	70	W	D	W
Mines, contact.	7	60	F	C	Y
Mines, land.	8	10	F	C	J
Mines, H.C., fuzed.	7A	60	G	D	Y
Mines, phosphide.	12	5	K	D	J
Mines, underwater.	7	63	F	D	Y
Minol.	4	75	E	C	Y
Mortar ammunition, chemical.	13	12	W	D	W
Mortar ammunition, H.E. (light).	8	8	F	C	J
Mortar ammunition, H.E. (medium)	8	12	F	C	Y
Mortar ammunition, practice.	8	2	F	C	J

Description (Generic Transport Designation)	Group	Percentage of Total Weight constituting Net Weight of Explosive Substance	Rail Loading Category	Rail Vehicle Category	Rail Marshal- ling Category
Mortar ammunition, radar echo.	8	4	F	C	J
Mortar ammunition, signal.	9	33	H	C	J
Mortar ammunition, smoke.	11	12	H	C	J
Mortar ammunition, smoke, F.M. or C.S.A.M.	11	12	H	C	J
Mortar ammunition, smoke, W.P.	12	12	K	C	J
Motors, rocket, (boxed).	6	30	F	C	J
Motors, rocket, self-propulsive (boxed).	6	30	F	D	J
Motors, rocket (loose).	8	30	F	D	J
Motors, rocket, self-propulsive (loose).	8	30	F	D	J
Motors, rockets, H.C. (boxed).	6	70	F	D	J
Motors, rocket, H.C., self-propulsive (boxed).	6	70	F	D	J
Motors, rocket, H.C. (loose).	8	70	F	D	J
Motors, rocket, H.C., self-propulsive (loose).	8	70	F	D	J
Motors, rocket, M.C. (boxed).	6	50	F	D	J
Motors, rocket, M.C., self-propulsive (boxed).	6	50	F	D	J
Motors, rocket, M.C. (loose).	8	50	F	D	J
Motors, rocket, M.C., self-propulsive (loose).	8	50	F	D	J
Nitrated paper.	3	10	E	C	J
Nitro-cellulose cannon powder.	3	70	E	C	J
Nitro-cellulose small arms granular powder.	1	75	E	C	Y
Nitro-cellulose small arms granular powder, in Service dust-tight packages.	2	75	E	C	Y
Nitroguanidine (Picrite).	4	75	E	C	Y
Nobel's 808.	2	75	E	C	Y
Nobel's 809.	2	75	E	C	Y
Nobel's 896.	4	75	E	C	Y
Pentolite.	4	75	E	C	Y
Petards.	8	10	F	C	Y
P.E.T.N., dry 1 oz. sample.	10	1	N	D	J
P.E.T.N., wet.	4	50	E	C	Y
P.E.T.N./Wax.	4	75	E	C	Y
Picric acid.	4	75	E	C	Y
Picric powder.	1	75	E	C	Y
Plastic explosive.	4	75	E	C	Y
Plastic propellant, Type 1.	3	75	E	C	Y
Plastic propellant, Type 2.	2	75	E	C	Y
Plastic propellant, Type 3.	3	75	E	C	J
Plastic propellant, Type 4.	3	75	E	C	J
Plastic propellant, Type 5.	4	75	E	C	Y
Plastic propellant, Type 6.	4	75	E	C	Y
Portfires.	9	45	H	C	J
Potassium di-nitro-phenate	4	75	E	C	Y
Primers, C.E. (Tetryl).	1	30	E	C	Y
Primers, C.E. (Tetryl) in Service dust-tight packages.	2	30	E	C	Y
Primer detonators.	6	10	F	C	J
Primers, electric.	6	5	F	C	J

Description (Generic Transport Designation)	Group	Percentage of Total Weight constituting Net Weight of Explosive Substance	Rail Loading Category	Rail Vehicle Category	Rail Marshal- ling Category
Primers, electric and percussion.	6	5	F	C	J
Primers, metal, H.E.	8	30	F	C	Y
Primers, percussion.	6	7	F	C	J
Projectiles, A.S. fuzed.	7A	40	G	D	Y
Projectiles, A.S. plugged.	7	45	F	D	Y
Projectiles, H.E., hedgehog.	8	15	F	C	Y
Projectiles, H.E., hegderow.	8	15	F	C	Y
Projectiles, hedgehog, weighted.	6	1	F	C	J
Projectiles, practice, hegderow.	6	2	F	C	J
Projector ammunition, H.E.	8	10	F	C	Y
Projector ammunition, practice.	8	1	F	C	J
Propellant compositions.	2	75	E	C	Y
Puffs, cordite.	1	70	E	C	Y
Puffs, cordite in Service dust-tight packages.	2	70	E	C	Y
Puffs, gunpowder.	1	50	E	B	Y
Puffs, gunpowder in Service dust-tight packages.	2	50	E	B	Y
Puffs, powder, with igniter.	6	5	F	C	Y
Puffs, smoke.	11	1	H	C	J
Quickmatch.	1	20	E	C	J
Quickmatch in Service dust-tight packages.	8	20	E	C	J
R.D.X., dry 1 oz. sample.	10	1	N	D	J
R.D.X., wet.	4	60	E	C	Y
R.D.X./T.N.T.	4	75	E	C	Y
R.D.X./Wax.	4	75	E	C	Y
Relays, electric.	6	1	F	C	J
Rockets, H.E.	8	20	F	D	Y
Rockets, H.E., self-propulsive.	8	20	F	D	Y
Rockets, H.E. (H.C.).	8	50	F	D	Y
Rockets, H.E., self-propulsive, (H.C.).	8	50	F	D	Y
Rockets, H.E. (M.C.).	8	30	F	D	Y
Rockets, H.E., self-propulsive, (M.C.).	8	30	F	D	Y
Rockets, illuminating.	9	25	H	C	J
Rockets, line.	9	25	H	C	J
Rockets, practice.	9	19	H	C	J
Rockets, pyrotechnic.	9	50	H	C	J
Rockets, signal.	9	25	H	C	J
Rockets, training.	8	5	F	D	J
Rockets, training, self-propulsive.	8	5	F	D	J
Rockets, training, (H.C.).	8	30	F	D	J
Rockets, training, self-propulsive, (H.C.).	8	30	F	D	J
Rockets, training, (M.C.).	8	15	F	D	J
Rockets, training, self-propulsive, (M.C.).	8	15	F	D	J
Sets, fuzing.	6	10	F	C	J
Sets, initiating charges.	8	1	F	C	J
Shell, chemical.	13	7	W	D	W
Shell, flare (boxed).	6	18	F	C	J
Shell, flare, (loose).	5	18	F	D	J
Shell, H.E., (boxed).	6	7	F	C	J
Shell, H.E., (loose).	5	13	F	D	Y
Shell, H.E., aircraft, rocket.	8	24	F	C	Y

Description (Generic Transport Designation)	Group	Percentage of Total Weight constituting Net Weight of Explosive Substance	Rail Loading Category	Rail Vehicle Category	Rail Marshal- ling Category
Shell, H.E., armour piercing (loose).	5	3	F	D	J
Shell, H.E., high charge.	6	30	F	C	Y
Shell, H.E., medium charge.	6	15	F	C	J
Shell, H.E., piercing (loose).	5	13	F	D	Y
Shell, H.E., rocket.	8	20	F	C	Y
Shell, H.E., S.A.P. (loose).	5	8	F	D	Y
Shell, incendiary.	11	13	H	C	J
Shell, practice (boxed).	6	7	F	C	J
Shell, practice (loose).	5	9	F	D	J
Shell, radar echo (boxed).	6	2	F	C	J
Shell, radar echo (loose).	5	2	F	D	J
Shell, shrapnel (boxed).	6	1	F	C	J
Shell, shrapnel (loose).	5	2	F	D	J
Shell, smoke.	11	7	H	H	J
Shell, smoke, exploding.	11	6	H	C	J
Shell, smoke, F.M. or C.S.A.M.	11	7	H	C	J
Shell, smoke, W.P.	12	7	K	C	J
Shell, star (boxed).	6	5	F	D	J
Shell, star (loose).	5	10	F	D	J
Shot, tracer.	5	1	F	D	J
Shot, with tracer (boxed).	6	1	F	D	J
Signals.	9	25	H	C	J
Signals, drift, night.	11	3	H	C	J
*Signals, fog.	6	2	F	C	—
Simulators, atomic, burst.	9	60	H	C	Y
Simulators, atomic burst (M.C.).	9	20	H	C	Y
Simulators, gunflash.	9	10	H	C	J
Simulators, R.F. or M.G.	10	10	N	C	Y
Sleeves, fuze.	10	35	N	C	Y
Styphnic acid, dry, 1 oz. sample.	10	1	N	D	J
Styphnic acid, wet.	4	50	E	C	Y
Switches.	6	2	F	C	Y
Switches, H.E.	8	15	F	C	Y
Tetryl (C.E.).	1	75	E	B	Y
Tetryl (C.E.) in Service dust-tight packages.	2	75	E	C	Y
Thunderflashes.	9	7	H	C	J
T.N.T.	4	75	E	C	Y
Torpex.	4	75	E	C	Y
Tracers.	9	3	H	C	J
Tritonal.	4	75	E	C	Y
Tubes, electric.	6	4	F	C	J
Tubes, friction.	6	12	F	C	J
Tubes, percussion.	6	4	F	C	J
Warheads.	7	75	F	D	Y
Warheads, medium (boxed).	6	50	F	C	Y
Warheads, small (boxed).	6	25	F	C	Y

Regulation 4

SCHEDULE 2

UNITED KINGDOM CLASSIFICATION OF EXPLOSIVES OF UNITED STATES FORCES

Description (ICC Shipping Name and Coast Guard Class)	Group	Percentage of Total Weight constituting Net Weight of Explosive Substance	Rail Loading Category	Rail Vehicle Category	Rail Marshal- ling Category
Actuating cartridges, explosive, fire extinguisher or valve (CGC I).	6	5	F	C	J
Ammunition for cannon with empty projectiles (CGC II—B).	6	1	F	C	J
Ammunition for cannon with explosive projectiles (CGC IV).	6	5	F	C	Y
Ammunition for cannon with explosive projectiles (high charge) (CGC VII).	6	30	F	C	Y
Ammunition for cannon with gas (lethal) projectiles (CGC XI—A).	13	5	W	D	W
Ammunition for cannon with gas (non-lethal) projectiles (CGC XI—B).	13	5	W	D	W
Ammunition for cannon with illuminating projectiles (CGC IV).	6	3	F	C	J
Ammunition for cannon with incendiary projectiles (CGC IV).	11	5	H	C	J
Ammunition for cannon with incendiary projectiles (WP) (CGC II—D).	12	5	K	C	J
Ammunition for cannon with inert loaded projectiles (CGC II—B).	6	1	F	C	J
Ammunition for cannon with smoke projectiles (HC). (CGC II—E).	11	5	H	C	J
Ammunition for cannon with smoke projectiles (FM or FS) (CGC II—F).	11	5	H	C	J
Ammunition for cannon with smoke projectiles (WP) (CGC II—D).	12	5	K	C	J
Ammunition for cannon with solid projectiles (CGC II—B).	6	1	F	C	J
Ammunition for cannon without projectiles (CGC II—B).	6	65	F	C	J
Ammunition for small arms with explosive bullets (CGC IV).	6	10	F	C	J
Black powder (CGC IX—A).	1	10	E	B	Y
Blasting caps, 1000 or less (CGC VIII).	10	5	N	C	Y
Blasting caps, more than 1000 (CGC VIII).	10	5	N	C	Y
Blasting caps with safety fuze 1000 or less (CGC VIII).	10	5	N	C	Y
Boosters (explosive) (CGC X—A).	6	30	F	C	Y
Combination fuzes (CGC III).	6	3	F	C	J

Description (ICC Shipping Name and Coast Guard Class)	Group	Percentage of Total Weight constituting Net Weight of Explosive Substance	Rail Loading Category	Rail Vehicle Category	Rail Marshal- ling Category
Combination primers (CGC III).	6	5	F	C	J
Common fireworks (CGC II—C).	9	30	H	C	J
Cordeau detonant fuze (CGC I).	8	5	F	C	Y
Delay, electric, igniters (CGC II—C).	6	5	F	C	J
Detonating fuzes, Class A explosives (CGC VI).	6	3	F	C	J
Detonating primers (CGC VIII).	10	3	N	C	Y
Electric blasting caps, 1000 or less (CGC VIII).	10	2	N	C	Y
Electric blasting caps, more than 1000 (CGC VIII).	10	2	N	C	Y
Electric squibs (CGC II—C).	6	2	F	C	J
Explosive bombs (CGC X—A).	7	60	G	D	Y
Explosive bombs (fuzed) (CGC X—B).	7A	60	G	D	Y
Explosive bombs (smaller charges, boxed) (CGC X—A).	6	30	F	D	Y
Explosive bombs (smaller charges, unboxed) (CGC X—A).	5	30	F	D	Y
Explosive bombs (black powder) (CGC X—A).	7	60	F	D	Y
Explosive bombs (black powder) (fuzed) (CGC X—B).	7A	60	G	D	Y
Explosive bombs (gas, lethal). (CGC XI—A).	13	75	W	D	W
Explosive bombs (gas, non-lethal). (CGC XI—B).	13	75	W	D	W
Explosive bombs (incendiary) (CGC II—J).	11	16	H	C	J
Explosive bombs (incendiary, IM, PT or NP) (CGC II—G).	15	40	L	C	J
Explosive bombs (incendiary, WP) (CGC II—D).	12	10	K	C	J
Explosive bombs (smoke) (CGC II—E).	11	4	H	C	J
Explosive bombs (smoke, WP) (CGC II—D).	12	10	K	C	J
Explosive cable cutters (CGC I).	6	1	F	C	J
Explosive mines (CGC X—A).	7	60	F	C	Y
Explosive power devices (CGC I).	6	10	F	C	J
Explosive projectiles (CGC VII).	5	15	F	D	Y
Explosive projectiles (CGC X—A).	5	15	F	D	Y
Explosive projectiles (gas, lethal) (CGC XI—A).	13	7	W	D	W
Explosive projectiles (gas, non-lethal) (CGC XI—B).	13	7	W	D	W
Explosive projectiles (smoke HC) (CGC II—E).	11	15	H	C	J

Description (ICC Shipping Name and Coast Guard Class)	Group	Percentage of Total Weight constituting Net Weight of Explosive Substance	Rail Loading Category	Rail Vehicle Category	Rail Marshal- ling Category
Explosive projectiles (smoke FM or FS) (CGC II—F).	11	15	H	C	J
Explosive projectiles (smoke WP) (CGC II—D).	12	15	K	C	J
Explosive release devices (CGC I).	6	3	F	C	J
*Explosives rivets (CGC I)	6	3	F	C	—
Explosive torpedoes (CGC X—A).	7	75	F	C	J
Explosive torpedoes (with fuzes) (CGC X—B).	7A	60	G	D	Y
Flammable solids (CGC II— D).	12	25	K	C	J
Fuze igniters (CGC II—C).	6	10	F	C	J
Fuze lighters (CGC II—C).	6	10	F	C	J
Grenades, rifle, smoke (WP) (CGC II—D).	12	25	K	C	J
Hand grenades (CGC IV).	8	10	F	C	J
Hand grenades, gas (lethal) (CGC XI—A).	13	30	W	D	W
High explosives (CGC IX—B).	7	60	F	C	Y
Igniter, Jet thrust, Class B explosive (CGC II—C).	6	20	F	C	J
Illuminating projectiles (CGC IV).	6	10	F	C	J
Instantaneous fuze (CGC II— C).	6	1	F	C	J
Jet thrust units, Class A (CGC X—C).	6	40	F	C	J
Jet thrust units, Class B (CGC II—B).	6	30	F	C	J
Low explosives (CGC IX—A).	9	30	H	C	J
*Percussion caps (CGC I).	6	10	F	C	—
Percussion caps (CGC III).	6	10	F	C	J
Percussion fuzes (CGC III).	6	1	F	C	J
Percussion fuzes (CGC VIII).	6	30	F	C	Y
Primers for cannon (CGC III).	6	20	F	C	J
*Primers for small arms (CGC I).	6	5	F	C	—
Propellant explosives solid. Class A (CGC IX—A).	2	75	E	C	Y
Propellant explosives solid, Class B (CGC II—A).	3	75	E	C	J
Rifle grenades (CGC IV).	8	10	F	C	Y
Rocket ammunition with empty projectiles (CGC II—B).	6	5	F	C	J
Rocket ammunition with ex- plosive projectiles (CGC X— D).	8	10	F	D	Y
Rocket ammunition with ex- plosive projectiles (self-propul- sive) (CGC X—D).	8	10	F	D	Y
Rocket ammunition with gas (lethal) projectiles (CGC XI— A).	13	10	W	D	W
Rocket ammunition with gas (lethal) projectiles (self-propul- sive) (CGC XI—A).	13	10	W	D	W
Rocket ammunition with gas (non-lethal) projectiles (CGC XI—B).	13	10	W	D	W

Description (ICC Shipping Name and Coast Guard Class)	Group	Percentage of Total Weight constituting Net Weight of Explosive Substance	Rail Loading Category	Rail Vehicle Category	Rail Marshal- ling Category
Rocket ammunition with gas (non-lethal) projectiles (self-propulsive) (CGC XI—B).	13	10	W	D	W
Rocket ammunition with illuminating projectiles (CGC IV).	6	10	F	C	J
Rocket ammunition with illuminating projectiles (self-propulsive) (CGC IV).	6	10	F	C	J
Rocket ammunition with incendiary projectiles (CGC IV).	11	10	H	C	J
Rocket ammunition with incendiary projectiles (self-propulsive) (CGC IV).	11	10	H	C	J
Rocket ammunition with incendiary projectiles (WP) (CGC II—D).	12	10	K	C	J
Rocket ammunition with incendiary projectiles (WP) (self-propulsive) (CGC II—D).	12	10	K	C	J
Rocket ammunition with inert loaded projectiles (CGC II—B).	6	10	F	C	J
Rocket ammunition with inert loaded projectiles (self-propulsive) (CGC II—B).	6	10	F	C	J
Rocket ammunition with smoke projectiles (CGC II—F).	11	5	H	C	J
Rocket ammunition with smoke projectiles (self-propulsive) (CGC II—F).	11	5	H	C	J
Rocket ammunition with smoke projectiles (WP) (CGC II—D).	12	5	K	C	J
Rocket ammunition with smoke projectiles (WP) (self-propulsive) (CGC II—D).	12	5	K	C	J
Rocket ammunition with solid projectiles (CGC II—B).	6	10	F	C	J
Rocket ammunition without projectiles (CGC II—B).	6	20	F	D	J
Rocket ammunition without projectiles (self-propulsive) (CGC II—B).	6	20	F	D	J
*Safety fuze (CGC I).	6	2	F	C	—
*Safety squibs (CGC II—C).	6	5	F	C	—
*Small arms ammunition (CGC I).	6	10	F	C	—
Small arms ammunition, tear gas cartridge (CGC I).	13	10	W	D	W
Special fireworks (CGC II—C).	9	30	H	C	J
Starter cartridges, jet engine, Class B explosive (CGC II—A).	6	40	F	C	J
Time fuzes (CGC III).	6	3	F	C	J
*Time fuzes (mechanical) without boosters (CGC I).	6	3	F	C	—
Tracer fuzes (CGC III).	6	3	F	C	J
Tracers (CGC II—C).	9	10	H	C	J

EXPLANATORY NOTE

(This Note is not part of the Regulations.)

These regulations supersede the Conveyance by Rail of Government Explosives and Explosives of Visiting Forces Regulations 1956 as amended by the Conveyance by Rail of Government Explosives and Explosives of Visiting Forces (Amendment) Regulations 1960. The regulations lay down the rules to be observed when Government explosives or explosives of visiting forces or international headquarters or defence organisations (together referred to as "military explosives", and defined by regulation 2) are being conveyed by rail.

The regulations classify military explosives into Groups, and into Loading, Vehicle and Marshalling Categories, as shown in the Schedules (regulation 4), provide for notice to be given to the railway authority before a conveyance takes place (regulation 5), require the explosives to be identified by specified markings (regulation 6), require the explosives to be conveyed by merchandise trains except under specified conditions (regulation 7), prescribe the types of rail vehicle in which the explosives may be conveyed (regulation 8), provide for the segregation of the explosives from other substances (regulation 9), place limits on the quantities of the explosives which may be conveyed in a rail vehicle (regulation 10), specify safety precautions to be observed during loading, unloading and conveyance (regulation 11), lay down rules for the composition of a train carrying the explosives (regulation 12), and provide for special precautions to be observed for certain types of explosive (regulations 13-15).

The changes (apart from those of a drafting nature) from the 1956 and 1960 regulations are as follows:—

- (a) the regulations are made by the Secretary of State for Defence and the Minister of Technology;
- (b) they are extended to the conveyance of explosives of international headquarters and defence organisations;
- (c) there are the following minor modifications and additions:
 - (i) the provisions relating to a covered van are applied to a covered railway container carried in an open truck (regulation 3(4));
 - (ii) in regulation 7 (trains) there are changes in the London Transport lines that may be used for the conveyance of explosives (7(7)), and an addition is made to the list of explosives in paragraph (4)(g);
 - (iii) in regulation 8 (vehicles) there are certain relaxations concerning the use of vehicles fitted with grease-lubricated axle-boxes (8(3)), vehicles fitted with end doors (8(4)), and the requirement for the covering of open trucks with sheets (8(5)(c)), and a slight modification in the requirements for securing gunpowder and covered vans (8(5)(a) and (b));
 - (iv) in regulation 9 (segregation) the provisions of regulation 11(1)(g) (safe handling and stowing) are applied by 9(5) to conveyances under 9(3) and (4) (regulation 11 having previously been excluded in its entirety in relation to such conveyances);
 - (v) in regulation 10 (weight limits) certain rockets and rocket motors are added to the explosives falling within the weight limit specified in 10(1)(c)(i);
 - (vi) in regulation 11 (loading, unloading and conveyance) a limit of 20 yards is fixed in relation to the prohibition of smoking near explosives being handled (11(1)(f)) and rocket motors in a

self-propulsive state are (in addition to fully assembled rockets) expressly required to be stowed lengthwise (11(1)(g));

- (vii) in regulation 12(4) (marshalling of trains comprising more than five vehicles containing explosives) the minimum distance between groups of vehicles containing explosives belonging to Marshalling Category Y is fixed at 38 feet (12(4)(e)), and tank vehicles containing white phosphorus or high test hydrogen peroxide are added to the excluded vehicles (12(4)(f));
- (viii) certain additions, deletions and other changes have been made in the classifications of explosives in the Schedules.