F.No.01(02)/2025-D(EPC)
Government of India
Ministry of Defence
Department of Defence Production
D(EPC)
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New Delhi, 12th September, 2025

Subject: Amendment of Standard Operating Procedure (SOP) for issue of Export Authorization by Ministry of Defence, Department of Defence Production for Export of Munitions List Items to Private and Public Sector Units as notified by DGFT under Category 6 of SCOMET.

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1. Preamble

1.1 The export of items covered in Category 6 of Special Chemicals, Organisms, Materials, Equipment, and Technologies (SCOMET) List (Appendix-3 to Schedule 2 of ITC (HS) Classification) as notified under the Foreign Trade (Development and Regulation) Act, 1992, as amended, are governed by the Standard Operating Procedure (SOP) issued by the Department of Defence Production (DDP) in the Ministry of Defence (MoD) from time to time. SCOMET List Category 6 (Munitions List) contains military items or items meant for military end use, which is amenable to change by Director General of Foreign Trade (DGFT) based on inputs of the relevant agencies. Arms and ammunition specified in Schedule I of Arms Rules 2016 are also covered in Category 6 of SCOMET List (Appendix I). Further, Note to Categories 5A & 5B.a.i. of SCOMET List should be seen for appropriate classification of those items under Category 6 of SCOMET List.

1.2 DDP grants authorisation under the Foreign Trade Development and Regulation (FTDR) Act 1992 for export of items under Category 6 of SCOMET List, by virtue of the powers delegated by DGFT vide Public Notice No. 4/2015-20 and Notification No. 5/2015-2020, both dated 24th April, 2017, and under the Arms Act 1959 by virtue of powers delegated by MHA vide Notification dated 01.11.2018. DDP grants authorisation under Arms Act in Form X-A of the Arms Rules 2016, only for export of nine parts of the Firearms as given below:

- Barrel; Cylinder; Bolt; Breech Block; Slide; Firing Pin; Frame or Receiver; Extractor; Hammer/Striker

1.3 DDP, MoD had issued SOP to govern authorisation of exports of items covered in Para 1.2 above from time to time and at present these exports are governed by the SOP issued on 13.03.2025. A series of consultations were held to further simplify the SOP and hence, DDP hereby notifies the revised SOP for issue of Authorization for export of Munitions List Items contained in Category 6 of SCOMET (as per Appendix-I) and for the parts of the firearms mentioned at para 1.2 above, in supersession of the SOP dated 13.03.2025.

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1.4 As per Para 10.05 of the Foreign Trade Policy (FTP) notified from time to time, the Catch-All provision specifies that if the exporter has been notified in writing by DGFT or he knows or has reason to believe that an item not covered in the SCOMET list has a potential risk of use in or diversion to Weapons of Mass Destruction (WMD) or in their missile system or military end use (including by terrorists and non-state actors), the export of such an item may be denied or permitted subject to the grant of a license.

1.5 Export Authorisation Applications shall be examined, online, in consultation with stakeholders. They shall be considered on the basis of criteria including, but not limited to, those specified in Para 10.06 of the Handbook of Procedures (HBP) notified from time to time by the DGFT. Those cases would be approved where a consensus has been reached amongst the Stakeholders.

2. Export Categories

For facilitating the application and authorisation process, the export of SCOMET Category 6 items is divided into the following six categories. The procedure to grant export authorization will be different for different categories.

2.1 The permission to export of SCOMET Category 6 items for government end use, including military end use will be considered in following sub-categories:

(a) Complete Systems/Sub-systems/Platforms and other Sensitive Items covered in Appendix II of SOP

(b) Nine parts of fire arms notified by MHA viz.

- Barrel; Cylinder; Bolt; Breech Block; Slide; Firing Pin; Frame or Receiver; Extractor; Hammer/Striker

(c) Residual items including certain Parts & Components, Protective Equipment, etc.

(d) Transfer of Technology/Software/Services applicable to (a)-(c) above.

2.2 The permission to export items at 2.1a and 2.1d for civilian usage will not be considered. For such cases, Note 3 to Category 6 (Munitions List) may be seen. In case of other items at 2.1, it will be considered for all the countries.

2.3 For participation in Exhibition/Tender/RFP/NIT, Business Development, Exploring Export Opportunity and for Demonstration/Testing/Evaluation.

2.4 Re-export, after undertaking repair or replacement of the items or part thereof, to the entity to whom it was originally exported.

2.5 Export either for the purpose of repair or for replacement/return to OEM from whom it was originally imported or its authorised agencies.

2.6 Export after undertaking Testing/MRO activity of items including systems/sub-systems not exported earlier.

3. MODE OF APPLICATION AND DOCUMENTS REQUIRED

3.1 Mode of application: Online Applications for grant of Export Authorisation are to be filed on prescribed portal. Application for export of nine parts of firearms to be filed in Form A-10-A under Arms Rules 2016 and for other SCOMET items to be filed under FTDR Act 1992 in the application format given on the portal. The exporter shall choose the relevant application format for filing the application.

3.2 Documents required

3.2.1 GENERAL EXPORT - For export mentioned in para 2.1 and 2.2 above, following documents are required to be uploaded with the on-line application on the portal:

i. The copy of Purchase Order/Supply Order/Contract etc.;
ii. Technical specification of the item(s) intended to be exported;
iii. End User Certificate(s) (EUC) signed and stamped by the appropriate authority is required for applications filed under various sub-categories of 2.1 and 2.2 of this SOP. For applications filed under categories 2.3 to 2.6, EUC is not required. However, the documents required to be submitted along with applications filed under these categories are given in para 3.2.3.
iv. There are specific EUC proforma for different sub-categories of exports:

(a) For complete systems/sub-systems/platforms and other sensitive items, covered in Appendix-II - Appendix IV (a)

- EUC signed and stamped by the Government of End User/Ultimate End user Country/State is required to be submitted, as per Appendix IV(a) for export for government or military end use.
- In case of export to non-Government entities in WA member countries, in addition to the EUC in Appendix IV(a) signed by the end user, import certificate or equivalent document issued by the Government of the Importing Country may be submitted in lieu of Government signed EUC.

(b) For Nine parts of fire arms - Appendix IV (b)

EUC signed and stamped by the end user including either government or non-government, shall ordinarily be accepted. However, DDP reserves the right to seek EUC signed by Government of End User/Ultimate End User Country/State even in case of non-government end user, if so required.

(c) **For Residual items including certain parts & components, protective equipment, etc. - as in 3.2.1 (iv)(b) above.**

(d) **For Transfer of Technology (TOT)/Software/Service -Appendix IV(c)**

- EUC signed & stamped by the Government of End User/Ultimate End user Country/State is required to be submitted.
- EUCs signed by parent company shall be acceptable in cases of transfer of technology between the company(ies) under the management control of the same parent company (Intra-company Transfer). In such cases, there should be a mention of the kind of service being provided by the Indian subsidiary in the EUC and it should be supported by a Letter of Explanation regarding the outsourced work/service contract.
- In cases of inter-company transfer for the export of engineering services to Wassenaar Arrangement (WA) countries, the EUC signed by the entity which owns the technology shall be acceptable, provided the technology is neither developed nor owned by any Indian firm or Government.

v. EUC(s) signed and stamped by the designated officer from all the entities in the supply chain including importer/buyer/intermediary/end user are to be submitted to establish the clear chain of transaction/transmission/supply of export product until it reaches the ultimate end user.

vi. In case, the original EUC is not in English, its English translated version, duly certified by Notary Public/Embassy/Mission of India abroad, should be provided.

vii. Original EUC in hard copy is to be submitted to DDP within 30 days of filing the application and would be necessary before issuing of export authorisation for export of complete systems/sub-systems/platforms & other sensitive items, and ToT/Software/Service.

viii. However, authorisation for export of nine parts of fire-arm and residuary items including certain parts & components, protective equipment, etc. shall be issued without waiting for the original copy/copies of EUCs.

3.2.2 In addition to above common documents, following documents will be required in certain specific cases:

i. **For Export of MHA notified Nine parts of fire arms as mentioned in Para 1.2** - a copy of the license issued by MHA to manufacture the item sought to be exported. If a copy has been already uploaded at the time of registration or earlier exports, it may be selected without the requirement of uploading again.

ii. **For Transfer of Technology/software/services**

(a) Copy of Internal Compliance Programme and technology compliance plans as per the AEO programme of CBIC / best practices document of the Government of India or the Wassenaar Arrangement.

(b) The level of technology/know-how/software proposed to be transferred, exported/shared to be furnished in detail.

3.2.3 EXPORT BASED ON PURPOSE

i. **For export in the course of participation in Exhibition:** A copy of Confirmation of Participation in Exhibition from the Exhibition Organizer, and an Undertaking in Appendix V (a) of SOP is required to be submitted.

ii. **For export in the course of Participation in Tender/RFP/NIT etc.**: A copy of Tender/RFP/NIT etc. specifying requirement of submission of sample and an Undertaking in Appendix V (a) of SOP is required to be submitted.

iii. **For export for the purpose of Demonstration/Testing/Evaluation :** Justification for Demonstration/Testing/Evaluation along with proof of consent from respective / relevant testing Agency, and an Undertaking in Appendix V(b) of SOP is required to be submitted.

iv. **For export for Business Development :** Applications shall be considered only for manufacturers for export of non-lethal items mentioned in Appendix III. A Copy of manufacturing license of the item of export and an Undertaking in Appendix V(c) of SOP is required to be submitted. If a copy of manufacturing license has been already uploaded at the time of registration or earlier export, it may be selected without the requirement of uploading again.

v. **For export after carrying out Testing/MRO activity :** The Bill of Entry, Import license issued by the Indian Licensing Authority, and Undertaking in Appendix V(d) are required to be submitted. In case the item is free for import, documents in support of the same may be submitted.

vi. **For re-export after undertaking repair/re-work or for replacement of rejected quantity of items** : Following documents are required to be submitted with the application:

(a) Copy of export authorization against which said items were exported

(b) Bill of Entry containing items imported for replacement or repair

(c) Destruction certificate stating reasons why the original items cannot be imported, wherever applicable ;or

(d) Letter from foreign buyer/supplier on his letter head duly signed and stamped that the items need to be repaired/replaced along with Purchase order/warranty policy/conditions.

(e) Undertaking in Appendix V (e)

vii. **Export to FOEM for repair or replacement :**

(a) Items which were imported by an Indian entity for its own end use will be permitted to be exported for the purpose of repair or replacement subject to submission of license issued originally to import the item(s), the Bill of Entry and the purchase order along with an Undertaking in Appendix V(f) of SOP. If the item was free to import, then document in support of the same is required to be submitted.

(b) Items imported by industry for its end use would only cover machines/equipment imported for the purpose of manufacturing or providing services.

viii. **Export of items imported for participation in tenders/RFP/RFQ/NIT/Demonstration/Display or for Exhibitions in India**

Following documents are required to be submitted along with the application:

(a) Copy of the import license issued originally to import the item(s)

(b) The Bill of Entry containing items imported alongwith an Undertaking in Appendix V(f) of SOP;

(c) Invitation letter/Advertisement/ Notice for RFP/RFQ/NIT or any other document to authenticate (i) event or purpose of participation (ii) schedule (iii) specific location of event (venue, city etc.) (iv) Documents confirming participation of the applicant in the event

(d) If the item was free to import, then document in support of the same is required to be submitted.

4. EXAMINATION PROCEDURE

4.1 Applications shall be submitted online on portal along with requisite documents. DDP will scrutinize the application and discrepancy found, if any, will be communicated to the Applicant within 02 working days.

4.2 Export Authorisation would require consultation by DDP in following cases :

i. Consultation with MEA only, in case of
   - **(a)** Export for non-government or civil end use;
   - **(b)** Export of all categories to certain countries

ii. Consultation with MEA, Armed Forces and DRDO for
   - **(a)** Export of Complete Systems/Sub-systems/Platforms or Sensitive items covered in Appendix II of SOP
   - **(b)** ToT/software/services

iii. In addition, DoS/ISRO will be consulted for export of Complete systems/sub-systems/Platforms covered in SCOMET Category 6A011; and DRDO and any other agency, as may be required, would be consulted for

Agents, other materials, related equipment & components, and Energetic materials covered in Categories 6A007 & 6A008.

4.3 No Consultation with stakeholders will be done in case of export of non-lethal items (Appendix III) for the purpose of participation in Exhibition/Tender/RFP/NIT/Demonstration, provided the exporter holds valid manufacturing licence in respect of items to be exported as sample.

4.4 Applications submitted for grant of authorisation, in anticipation of tender to export samples to participate in tender, will be processed in consultation with the stakeholders. However, authorisation for export of the samples shall be issued only on submission of Tender Documents by the Exporter.

4.5 The validity of the "No Objection" received from stakeholders as a part of consultations will generally be valid for a period of two years.

4.6 EUC declarations can be verified by the Government as deemed necessary, both before and after export.

4.7 Notwithstanding the above, DDP reserves the right to consult any or all of the stakeholders before grant of export authorization.

5. Repeat Orders

5.1 In cases of Repeat Order of the same item, consultation with stakeholders, i.e. Service Hqrs, DRDO etc. already done for a particular product/service/technology would suffice even if the same product is proposed to be exported to different entities. However, consultation with MEA would be done in all such cases.

5.2 For all cases of Repeat Order of the same item/service/technology to the same country and entities for the same end use, where consultation with Stakeholders has already been done, re-consultation will not be undertaken.

6. Validity of Authorization

6.1 The validity of the Export Authorisation issued by this Department for various purposes is as under:

Purpose	Validity
General Export	Till the date of completion of the Order/Contract.
ToT/Software/Service	24 Months or the date of completion of contract/order, whichever is earlier

Re-export after undertaking repair or rework or for replacement	12 months
Export after undertaking Testing/MRO activity	06 months
Participation in Exhibition	06 Months
Demonstration or Testing/ Evaluation	12 months
Participation in Tender/ RFP/NIT etc.	24 months

6.2 The validity of Authorization may be extended from time to time based on the requirements & merits by the Competent Authority.

6.3 Items exported for participation in Exhibition or Tender/RFP/NIT, and Demonstration/Testing & Evaluation should be brought back within 6 months and 12 months respectively from date of export. However, the proof of import (such as Bill of Entry) would be provided by the Exporter within 2 months of import. Wherever it is not feasible for the item(s) to be brought back, the Exporter shall obtain : (i) Destruction certificate stating reasons why the original items cannot be imported back, wherever applicable and/or (ii) an EUC from the End User on their end use and that the item(s) would not be diverted, sold or transferred to any third party.

7. Other conditions

7.1 The items exported for participation in Exhibition/Tender/RFP/NIT etc., and for Demonstration/Testing/Evaluation shall not be offered for sale.

7.2 At the time of actual export of item(s) for participation in Tenders/RFP/NIT or for exploring export opportunities, the applicant is required to submit a fresh on-line application for seeking authorization for export of item(s) along with a copy of the In-Principle approval granted by the DDP. In case the consultation with MEA has been completed wherever required, subsequent applications for issue of Authorization after conclusion of contract for actual export would be processed without referring/re-obtaining comments of MEA as the process would have completed at the time of in-principle clearance. However, Foreign Policy considerations / National Security objectives may warrant review of the in-principle approval issued earlier. In such cases, DDP would seek revised comments from MEA and convey the decision to the applicant.

7.3 The quantity of items exported for business development or participation in Tender/RFP etc., should commensurate with the purpose and nature of items of export.

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7.4 Applications seeking Export Authorizations for any items to countries subject to UN Arms embargo or UNSC sanctions on non-proliferation, will be considered in consultation with MEA and in line with the relevant laws and regulations of the Government of India.

7.5 Foreign Policy considerations/National Security objectives may warrant review of the authorisation issued by DDP. DDP reserves the right to review the export authorisation issued and in such cases, DDP would seek revised comments from MEA and convey the decision to the applicant.

8. Open General Export License (OGEL)

8.1 OGEL is a one time export license, which permits the exporter to export specified items to specified countries enumerated in the OGEL, without seeking further export authorisation from DDP during the validity of the OGEL.

8.2 The Department of Defence Production has notified three Open General Export License for export of parts & components, Major Platforms and Intra-company transfer of technology. These OGEL Notifications all dated 10.05.2024 are available on defenceexim portal under the head "Office Order".

8.3 Each OGEL Notification brings out the eligibility conditions and the documents required for grant of OGEL. Trade and Industry are encouraged to institute internal compliance within their organizations and work towards getting AEO certified for availing the benefit of OGEL.

8.4 The validity of the OGEL issued is two years.

9. Time Frame

9.1 Export Authorization will ordinarily be decided within 04 weeks where stakeholder consultation is required and 02 weeks where stakeholder consultation is not required.

10. Competent Authority to Grant Authorisation

10.1 Joint Secretary (DIP), Department of Defence Production is the competent authority for granting of all authorisations.

10.2 A monthly meeting of stakeholders at the level of JS/AS DDP, would be convened to expedite the clearance of export applications. Further, as per requirement, the matters related to further improvement in SOP and its provisions as well as the other relevant policy issues could be discussed in the meeting and the agreed proposals may be placed before Defence Export Steering Committee (DESC) for consideration.

10.3 Applications examined in consultation with stakeholders will be approved where consensus has reached.

10.4 Cases where consensus has not reached will be placed before the DESC headed by Secretary(DP). If the DESC members also fail to come to an agreement, it shall be put up to Raksha Mantri for a final decision.

10.5 Secretary DRDO and CMDs of all DPSUs may themselves issue authorisation for export of the items under their product lines for participation in Tenders/RFP/NIT or exploring export opportunities subject to following the consultation process and on submission of the application through the designated portal. A copy of the authorisation issued shall be uploaded on the portal.

11. Record Keeping

Records in physical or electronic form are to be retained for a period of 05 years from the date of export or for a longer period (if so notified by DDP). The detailed guidelines in this regard are contained in Para 3 (Maintenance of Records) of Public Notice No. 4/2015-20 dated 24th April 2017 notified by DGFT (referred to at Para 1.2 of this SOP).

12. Appeal against Denial

An Appeal against rejection/denial may be preferred to Secretary(DP) within 30 days of such denial/rejection.

13. Prohibition on brokering

Brokering is prohibited in terms of provisions of the Foreign Trade Development and Regulation (FTDR) Act 1992 and the Weapons of Mass Destruction and Their Delivery Systems (Prohibition of Unlawful Activities) Act 2005.

14. Penal Provisions

The penal provisions as contained in the Arms Act 1959, Foreign Trade Development and Regulation (FTDR) Act 1992, the Weapons of Mass Destruction and Their Delivery Systems (Prohibition of Unlawful Activities) Act 2005, as amended from time to time; and enforcement & penal provisions contained in the Customs Act 1962, as amended from time to time, shall apply to all unlawful activities carried out during the export of Munitions List (Category 6 of SCOMET List) items by any exporter.

15. The issue of this SOP does not preclude the Department of Defence Production from requiring fulfillment of any other condition(s) by the exporter or consultation with MEA or other organisations, if considered necessary in specific cases.

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(B. Asha Nair)
Under Secretary to the Govt. of India

Appendix I - SCOMET Category List 6 (Munitions List)

Appendix II - Complete Systems/Sub-systems/Platforms and other Sensitive Items

Appendix III - Non-lethal items

Appendix IV- EUC Formats

a) Complete Systems/Sub-systems/Platforms and other Sensitive Items
b) Nine parts of fire arms and Residual items including certain Parts & Components, Protective Equipment, etc.
c) Transfer of Technology/Service/Software

Appendix V - Undertakings

a. Samples for tender/exhibition
b. Demonstration/Testing/Evaluation
c. Samples for Business Development
d. Export after carrying out MRO activity
e. After undertaking repair or rework
f. Export for repair/replacement or return after participation in Tender/RFP/RFQ etc.

Appendix-I SCOMET LIST

Category 6 Munitions List

Note 1 *Terms in "quotations" are defined terms. Refer to 'Glossary'*

Note 2 *In some instances chemicals are listed by name and CAS number. The list applies to chemicals of the same structural formula (including hydrates) regardless of name or CAS number. CAS numbers are shown to assist in identifying a particular chemical or mixture, irrespective of nomenclature. CAS numbers cannot be used as unique identifiers because some forms of the listed chemical have different CAS numbers, and mixtures containing a listed chemical may also have different CAS numbers.*

Note 3 *Subject to Notes 4-6 below, an authorization from Department of Defence Production Ministry of Defence would be required for export of items in the Munitions list. This is as per the Standard Operating Procedures issued by Department of Defence Production. However, for export of items under sub-categories 6A007 and 6A008, for non-military end use, an export authorization would be required from Directorate General of Foreign Trade (DGFT) as per the SCOMET policy and procedures.*

Note 4 *Notwithstanding anything contained in Note 3 above, the following items will be classified under the relevant description in category 0 and would be subject to authorisation by Department of Atomic Energy(refer a) to d) of Commodity Identification Note 2 of SCOMET):-*

a)Radioactive materials covered under 6A007;

b) 'Reactive material' powders and shapes and any material containing Beryllium or "Zirconium with Hafnium content less than 2000 ppm" as the major constituent covered under 6A008;

c) Nuclear power generating equipment or propulsion equipment, including "nuclear reactors", and specially designed for military use and components therefor specially designed or 'modified for military use' covered under 6A017;

d)Simulators specially designed for military "nuclear reactors" covered under 6A017;

Note 5 *Notwithstanding anything contained in Note 3 above, items corresponding to Schedule I of the Chemical Weapons Convention as specified in Category 6A007.b are prohibited for exports.*

Note 6 *Notwithstanding anything contained in Note 3 above, licence applications for Items in 6A008 a.13 and 6A008.a 21 would normally be denied.*

Note 7 Notwithstanding anything contained in Note 3 above, export of item 6A010 will be subject to 'No Objection' from Defence Research and Development Organisation.

Note 8 Notwithstanding anything contained in Note 3 above, export of item 6A011.c would be subject to 'No Objection' from ISRO, Department of Space and Defence Research and Development Organisation.

6A001 Smooth-bore weapons with a calibre of less than 20 mm, other arms and automatic weapons with a calibre of 12.7 mm (calibre 0.50 inches) or less and accessories, as follows, and specially designed components therefor:

Note *6A001 does not apply to:*

a. Firearms specially designed for dummy ammunition and which are incapable of discharging a projectile;

b. Firearms specially designed to launch tethered projectiles having no high explosive charge or communications link, to a range of less than or equal to 500 m;

c. Weapons using non-centre fire cased ammunition and which are not of the fully automatic firing type;

d. "Deactivated firearms".

Technical Note A 'deactivated firearm' is a firearm that has been made incapable of firing any projectile by processes defined by the Wassenaar Arrangement Participating State's national authority. These processes irreversibly modify the essential elements of the firearm. According to national laws and regulations, deactivation of the firearm may be attested by a certificate delivered by a competent authority and may be marked on the firearm by a stamp on an essential part.

6A001 a. Rifles and combination guns, handguns, machine, sub-machine and volley guns;

Note *6A001.a does not apply to the following:*

a. Rifles and combination guns, manufactured earlier than 1938;

b. Reproductions of rifles and combination guns, the originals of which were manufactured earlier than 1890;

c. Handguns, volley guns and machine guns, manufactured earlier than 1890, and their reproductions;

d. Rifles or handguns, specially designed to discharge an inert projectile by compressed air or CO_2.

e. Handguns specially designed for any of the following:

1. Slaughtering of domestic animals; or

2. Tranquilising of animals.

6A001 b. Smooth-bore weapons as follows:

1. Smooth-bore weapons specially designed for military use;
2. Other smooth-bore weapons as follows:
   a. Fully automatic type weapons;
   b. Semi-automatic or pump-action type weapons;

Note *6A001.b.2 does not apply to weapons specially designed to discharge an inert projectile by compressed air or CO_2.*

Note *6A001.b. does not apply to the following:*

a. Smooth-bore weapons manufactured earlier than 1938;

b. *Reproductions of smooth-bore weapons, the originals of which were manufactured earlier than 1890.*

c. *Smooth-bore weapons used for hunting or sporting purposes. These weapons must not be specially designed for military use or of the fully automatic firing type;*

d. *Smooth-bore weapons specially designed for any of the following:*

1. *Slaughtering of domestic animals;*
2. *Tranquilizing of animals;*
3. *Seismic testing;*
4. *Firing of industrial projectiles; or*
5. *Disrupting Improvised Explosive Devices (IEDs).*

N.B. For disruptors, see 6A004 and 8A106.

6A001 c. Weapons using caseless ammunition;

6A001 d. *Accessories designed for arms specified by 6A001.a 6A001.b or 6A001.c, as follows:*

1. *Detachable cartridge magazines;*
2. *Sound suppressors or moderators;*
3. *Gun-mountings;*
4. *Flash suppressors;*
5. *Optical weapon-sights with electronic image processing;*
6. *Optical weapon-sights specially designed for military use.*

Technical Note For the purposes of 6A001.d.3., a 'gun-mounting' is a fixture designed to mount a gun onto a ground vehicle, "aircraft", vessel or structure.

Note 2 6A002.a does not apply to weapons as follows:

a. *Rifles, smooth-bore weapons and combination guns, manufactured earlier than 1938;*

b. *Reproductions of rifles, smooth-bore weapons and combination guns, the originals of which were manufactured earlier than 1890;*

c. *Guns, howitzers, cannons, mortars, manufactured earlier than 1890;*

d. *Smooth-bore weapons used for hunting or sporting purposes. These weapons must not be specially designed for military use or of the fully automatic firing type;*

e. *Smooth-bore weapons specially designed for any of the following:*

1. *Slaughtering of domestic animals;*
2. *Tranquilizing of animals;*
3. *Seismic testing;*
4. *Firing of industrial projectiles; or*
5. *Disrupting Improvised Explosive Devices (IEDs);*

N.B. *For disruptors, see 6A004 and 8A106*

f. Hand-held projectile launchers specially designed to launch tethered projectiles having no high explosive charge or communications link, to a range of less than or equal to 500 m.

6A002 b. Projectors, specially designed or modified for military use, as follows:

1. Smoke canister projectors;
2. Gas canister projectors;
3. Pyrotechnics projectors;

Note 6A002.b does not apply to signal pistols.

6A002 c. Accessories specially designed for the weapons specified in 6A002.a., as follows:

1. Weapon sights and weapon sight mounts, specially designed for military use;
2. Signature reduction devices;
3. Mountings;
4. Detachable cartridge magazines;

6A002 d. Reserved

6A003 a. Ammunition and fuze setting devices, as follows, and specially designed components therefor:

b. Ammunition for weapons specified by 6A001, 6A002, or 6A012;

c. Fuze setting devices specially designed for ammunition specified by 6A003.a.

Note 1 Specially designed components specified by 6A003 include:

a. Metal or plastic fabrications such as primer anvils, bullet cups, cartridge links, rotating bands and munitions metal parts;

b. Safing and arming devices, fuzes, sensors and initiation devices ;

c. Power supplies with high one-time operational output;

d. Combustible cases for charges;

e. Submunitions including bomblets, minelets and terminally guided projectiles.

Note 2 6A003.a does not apply to any of the following:

a. Ammunition crimped without a projectile (blank star);

b. Dummy ammunition with a pierced powder chamber;

c. Other blank and dummy ammunition, not incorporating components designed for live ammunition; or

d. Components specially designed for blank or dummy ammunition, specified in this Note 2.a, b. or c.

Note 3 6A003.a does not apply to cartridges specially designed for any of the following purposes:

a. Signalling;

b. *Bird scaring; or*

c. *Lighting of gas flares at oil wells*

6A004 Bombs, torpedoes, rockets, missiles, other explosive devices and charges and related equipment and accessories, as follows, and specially designed components therefor:

N.B.1. For guidance and navigation equipment, see 6A011.

N.B.2. For Aircraft Missile Protection Systems (AMPS), see 6A004.c.

a. Bombs, torpedoes, grenades, smoke canisters, rockets, mines, missiles, depth charges, demolition-charges, demolition-devices, demolition-kits, "pyrotechnic" devices, cartridges, submunitions therefor and simulators (i.e., equipment simulating the characteristics of any of these items), specially designed for military use;

Note 6A004.a. includes:

a. Smoke grenades, fire bombs, incendiary bombs and explosive devices;

b. Missile or rocket nozzles and re-entry vehicle nosetips

c.

N.B. For grenade or canister ammunition for weapons or projectors specified in 6A001. or 6A002. and submunitions specially designed for ammunition, see 6A003.

6A004 b. Equipment having all of the following:

1. Specially designed for military use; and
2. Specially designed for 'activities' relating to any of the following:
   a. Items specified by 6A004.a; or
   b. Improvised Explosive Devices (IEDs).

Technical Note

For the purpose of 6A004.b.2 'activities' applies to handling, launching, laying, controlling, discharging, detonating, activating, powering with one- time operational output, decoying, jamming, sweeping, detecting, disrupting or disposing.

Note 1 6A004.b includes:

a. Mobile gas liquefying equipment;

b. Buoyant electric conducting cable suitable for sweeping magnetic mines.

Note 2 6A004.b does not apply to hand-held devices limited by design solely to the detection of metal objects and incapable of distinguishing between mines and other metal objects.

6A004. c. Aircraft Missile Protection Systems (AMPS).

Note *6A004.c does not apply to AMPS having all of the following:*

a. *Any of the following missile warning sensors:*
   1. *Passive sensors having peak response between 100-400 nm; or*
   2. *Active pulsed Doppler missile warning sensors;*
b. *Countermeasures dispensing systems;*
c. *Flares, which exhibit both a visible signature and an infrared signature, for decoying surface-to-air missiles; and*
d. *Installed on "civil aircraft" and having all of the following:*
   1. *The AMPS is only operable in a specific "civil aircraft" in which the specific AMPS is installed and for which any of the following has been issued:*
      a. *A civil Type Certificate issued by civil aviation authority of India; or*
      b. *An equivalent document recognised by the International Civil Aviation Organisation (ICAO);*
   2. *The AMPS employs protection to prevent unauthorised access to "software and*
   3. *The AMPS incorporates an active mechanism that forces the system not to function when it is removed from the "civil aircraft" in which it was installed.*

6A004. c. Aircraft Missile Protection Systems (AMPS).

Note *6A004.c does not apply to AMPS having all of the following:*

a. *Any of the following missile warning sensors:*
   1. *Passive sensors having peak response between 100-400 nm; or*
   2. *Active pulsed Doppler missile warning sensors;*
b. *Countermeasures dispensing systems;*
c. *Flares, which exhibit both a visible signature and an infrared signature, for decoying surface-to-air missiles; and*
d. *Installed on "civil aircraft" and having all of the following:*
   1. *The AMPS is only operable in a specific "civil aircraft" in which the specific AMPS is installed and for which any of the following has been issued:*
      a. *A civil Type Certificate issued by civil aviation authority of India; or*
      b. *An equivalent document recognised by the International Civil Aviation Organisation (ICAO);*
   2. *The AMPS employs protection to prevent unauthorised access to "software and*

The AMPS incorporates an active mechanism that forces the system not to function when it is removed from the "civil aircraft" in which it was installed

6A005 Fire control, surveillance and warning equipment, and related systems, test and alignment and countermeasure equipment, as follows, specially designed for military use, and specially designed components and accessories therefor:

a. Weapon sights, bombing computers, gun laying equipment and weapon control systems;

b. Other fire control, surveillance and warning equipment, and related systems, as follows:

1. Target acquisition, designation, range-finding, surveillance or tracking systems;
2. Detection, recognition or identification equipment;
3. Data fusion or sensor integration equipment;

c. Countermeasure equipment for items specified by 6A005.a. or 6A005.b.;

Note *For the purposes of* 6A005.c., *countermeasure equipment includes detection equipment.*

d. Field test or alignment equipment, specially designed for items specified by 6A005.a., 6A005.b. or 6A005.c.

6A006 Ground vehicles and components, as follows:

N.B. *For guidance and navigation equipment, see 6A011.*

a. Ground vehicles and components therefor, specially designed or modified for military use;

Note 1 6A006.*a. includes:*

a. Tanks and other military armed vehicles and military vehicles fitted with mountings for arms or equipment for mine laying or the launching of munitions specified by 6A004.*;*

b. Armoured vehicles;

c. Amphibious and deep water fording vehicles;

d. Recovery vehicles and vehicles for towing or transporting ammunition or weapon systems and associated load handling equipment;

e. Trailers.

Note 2 *Modification of a ground vehicle for military use specified by* 6A006.*a. entails a structural, electrical or mechanical change involving one or more components that are specially designed for military use. Such components include:*

a. Pneumatic tyre casings of a kind specially designed to be bullet-proof;

b. Armoured protection of vital parts (e.g., fuel tanks or vehicle cabs);

c. Special reinforcements or mountings for weapons;

d. Black-out lighting.

6A006. b. Other ground vehicles and components, as follows:

1. Vehicles having all of the following:
   a. Manufactured or fitted with materials or components to provide ballistic protection equal to or better than level III (NIJ 0108.01, September 1985), or "equivalent standards";
   b. A transmission to provide drive to both front and rear wheels simultaneously, including those for vehicles having additional wheels for load bearing purposes whether driven or not;
   c. Gross Vehicle Weight Rating (GVWR) greater than 4,500 kg; and
   d. Designed or modified for off-road use;
   e. Mine-Protected vehicle

2. Components having all of the following:
   a. Specially designed for vehicles specified in 6A006.b.1.; and
   b. Providing ballistic protection equal to or better than level III (NIJ 0108.01, September 1985), or "equivalent standards".

N.B. See also 6A013.a.

Note 1 6A006. *does not apply to civil vehicles designed or modified for transporting money or valuables.*

Note 2 6A006. *does not apply to vehicles that meet all of the following;*

a. Were manufactured before 1946;

b. Do not have items specified by the Munitions List and manufactured after 1945, except for reproductions of original components or accessories for the vehicle; and

c. Do not incorporate weapons specified in 6A001., 6A002. *or* 6A004. *unless they are inoperable and incapable of discharging a projectile*

6A007 Chemical agents, "biological agents", "riot control agents", radioactive materials, related equipment, components and materials, as follows:

N.B *(See Commodity Identification Note of SCOMET list)*

a. "Biological agents" or radioactive materials selected or modified to increase their effectiveness in producing casualties in humans or animals, degrading equipment or damaging crops or the environment;

b. Chemical warfare (CW) agents including:

1. CW nerve agents:

a. O-Alkyl (equal to or less than C10, including cycloalkyl) alkyl (Methyl, Ethyl, n-Propyl or Isopropyl) - phosphonofluoridates, such as:
Sarin (GB):O-Isopropyl methylphosphonofluoridate (CAS 107-44-8); and Soman (GD):O-Pinacolyl methylphosphonofluoridate (CAS 96-64-0);

b. O-Alkyl (equal to or less than C10, including cycloalkyl)
N,N-dialkyl (Methyl, Ethyl, n-Propyl or Isopropyl) phosphoramidocyanidates, such as: Tabun (GA):O-Ethyl N,N-dimethylphosphoramidocyanidate (CAS 77-81-6);

c. O-Alkyl (H or equal to or less than C10, including cycloalkyl)
S-2-dialkyl (Methyl, Ethyl, n-Propyl or Isopropyl)-aminoethyl alkyl (Methyl, Ethyl, n-Propyl or Isopropyl) phosphonothiolates and corresponding alkylated and protonated salts, such as: VX: O-Ethyl S-2-diisopropylaminoethyl methyl phosphonothiolate (CAS 50782-69-9);

6A007 b. 2. CW vesicant agents:

a. Sulphur mustards, such as:

1. 2-Chloroethylchloromethylsulphide (CAS 2625-76-5);
2. Bis(2-chloroethyl) sulphide (CAS 505-60-2);
3. Bis(2-chloroethylthio) methane (CAS 63869-13-6);
4. 1,2-bis (2-chloroethylthio) ethane (CAS 3563-36-8);
5. 1,3-bis (2-chloroethylthio) -n-propane (CAS 63905-10-2);
6. 1,4-bis (2-chloroethylthio) -n-butane (CAS 142868-93-7) ;
7. 1,5-bis (2-chloroethylthio) -n-pentane (CAS 142868-94-8);
8. Bis (2-chloroethylthiomethyl) ether (CAS 63918-90-1);
9. Bis (2-chloroethylthioethyl) ether (CAS 63918-89-8);

b. Lewisites, such as:

1. 2-chlorovinyldichloroarsine (CAS 541-25-3);
2. Tris (2-chlorovinyl) arsine (CAS 40334-70-1);
3. Bis (2-chlorovinyl) chloroarsine (CAS 40334-69-8);

c. Nitrogen mustards, such as:

1. HN1: bis (2-chloroethyl) ethylamine (CAS 538-07-8);
2. HN2: bis (2-chloroethyl) methylamine (CAS 51-75-2);
3. HN3: tris (2-chloroethyl) amine (CAS 555-77-1);

6A007 b. 3. CW incapacitating agents, such as:

a. 3-Quinuclidinyl benzilate (BZ) (CAS 6581-06-2);

6A007 b. 4. CW defoliants, such as:

a. Butyl 2-chloro-4-fluorophenoxyacetate (LNF);

b. 2,4,5-trichlorophenoxyacetic acid (CAS 93-76-5) mixed with 2,4-dichlorophenoxyacetic acid (CAS 94-75-7) (Agent Orange (CAS 39277-47-9));

6A007 c. CW binary precursors and key precursors, as follows:

1. Alkyl (Methyl, Ethyl, n-Propyl or Isopropyl) Phosphonyl Difluorides, such as: DF: Methyl Phosphonyldifluoride (CAS 676-99-3);

2. O-Alkyl (H or equal to or less than C10, including cycloalkyl) O-2-dialkyl (Methyl, Ethyl, n- Propyl or Isopropyl)-aminoethyl alkyl (Methyl, Ethyl, n-Propyl or Isopropyl) phosphonites and corresponding alkylated and protonated salts, such as:

QL: O-Ethyl O-2-di-isopropylaminoethyl methylphosphonite (CAS 57856-11-8);

3. Chlorosarin: O-Isopropyl methylphosphonochloridate (CAS 1445-76-7);

4. Chlorosoman: O-Pinacolyl methylphosphonochloridate (CAS 7040-57-5);

6A007 d. "Riot control agents", active constituent chemicals and combinations thereof, including:

1. -Bromobenzeneacetonitrile, (Bromobenzyl cyanide) (CA) (CAS 5798-79-8);
2. [(2-chlorophenyl) methylene] propanedinitrile,(o-Chlorobenzylidenemalononitrile) (CS) (CAS 2698-41-1);
3. 2-Chloro-1-phenylethanone,Phenylacyl chloride ■-chloroacetophenone) (CN) (CAS 532-27-4);
4. Dibenz-(b,f)-1,4-oxazephine, (CR) (CAS 257-07-8);
5. 10-Chloro-5,10-dihydrophenarsazine, (Phenarsazine chloride), (Adamsite),(DM)(CAS 578- 94-9);
6. N-Nonanoylmorpholine, (MPA) (CAS 5299-64-9);

Note 1 *6A007.d does not apply to "riot control agents" individually packaged for personal self-defence purposes.*

Note 2 *6A007.d does not apply to active constituent chemicals, and combinations thereof, identified and packaged for food production or medical purposes.*

6A007 e. Equipment, specially designed or modified for military use, designed or modified for the dissemination of any of the following, and specially designed components therefor:

1. Materials or agents specified by 6A007.a, 6A007.b, or 6A007.d;or
2. CW agents made up of precursors specified by 6A007.c;

6A007 f. Protective and decontamination equipment, specially designed or modified for military use, components and chemical mixtures, as follows:

1. Equipment designed or modified for defence against materials specified by 6A007.a, 6A007.b, or 6A007.d, and specially designed components therefor;
2. Equipment designed or modified for decontamination of objects contaminated with materials specified by 6A007.a, or 6A007.b, and specially designed components therefor;
3. Chemical mixtures specially developed or formulated for the decontamination of objects contaminated with materials specified by 6A007.a or 6A007.b;

Note *6A007.f.1 includes:*

a. Air conditioning units specially designed or modified for nuclear, biological or chemical filtration;

b. Protective clothing.

N.B. *For civil gas masks, protective and decontamination equipment, see also 8A104.*

6A007 g. Equipment, specially designed or modified for military use designed or modified for the detection or identification of materials specified by 6A007.a, 6A007.b, or 6A007.d, and specially designed components therefor;

Note *6A007.g does not apply to personal radiation monitoring dosimeters.*

N.B. *See also 8A104.*

6A007 h. "Biopolymers" specially designed or processed for the detection or identification of CW agents specified by 6A007.b, and the cultures of specific cells used to produce them;

6A007 i. "Biocatalysts" for the decontamination or degradation of CW agents, and biological systems therefor, as follows:

1. "Biocatalysts" specially designed for the decontamination or degradation of CW agents specified by 6A007.b, and resulting from directed laboratory selection or genetic manipulation of biological systems;
2. Biological systems containing the genetic information specific to the production of "biocatalysts" specified by 6A007.i.1, as follows:

a. "Expression vectors";
b. Viruses;
c. Cultures of cells.

Note 1 *6A007.b and 6A007.d do not apply to the following:*

a. Cyanogen chloride (CAS 506-77-4);
b. Hydrocyanic acid (CAS 74-90-8);
c. Chlorine (CAS 7782-50-5);
d. Carbonyl chloride (phosgene) (CAS 75-44-5);
e. Diphosgene (trichloromethyl-chloroformate) (CAS 503-38-8);
f. ((Reserved))
g. Xylyl bromide, ortho: (CAS 89-92-9), meta: (CAS 620-13-3), para: (CAS 104-81-4);
h. Benzyl bromide (CAS 100-39-0);
i. Benzyl iodide (CAS 620-05-3);
j. Bromo acetone (CAS 598-31-2);
k. Cyanogen bromide (CAS 506-68-3);
l. Bromo methylethylketone (CAS 816-40-0);
m. Chloro acetone (CAS 78-95-5);

n. *Ethyl iodoacetate (CAS 623-48-3);*

o. *Iodo acetone (CAS 3019-04-3);*

p. *Chloropicrin (CAS 76-06-2).*

Note 2 *The cultures of cells and biological systems specified by 6A007.h and 6A007.i.2 are exclusive and these sub-items do not apply to cells or biological systems for civil purposes, such as agricultural, pharmaceutical, medical, veterinary, environmental, waste management, or in the food industry.*

6A008 "Energetic materials" and related substances, as follows:

N.B.1. See also 8C111.

N.B.2. For charges and devices, see 6A004 and

N.B.3 Any substance listed in the 6A008 sub-items is subject to this list, even when utilised in an application other than that indicated (e.g, TAGN is predominantly used as an explosive but can also be used either as a fuel or an oxidizer.)

8A108. Technical Notes

1. *For the purposes of 6A008, excluding 6A008.c.11, or 6A008.c.12, 'mixture' refers to a composition of two or more substances with at least one substance being listed in the 6A008 sub-items.*
2. *For the purposes of 6A008, particle size is the mean particle diameter on a weight or volume basis. International standards will be used in sampling and determining particle size.*

6A008	a.	"Explosives" as follows, and 'mixtures' thereof:
	1.	ADNBF (aminodinitrobenzofuroxan or 7-amino-4,6-dinitrobenzofurazane-1-oxide) (CAS 97096-78- 1);
	2.	BNCP (cis-bis (5-nitrotetrazolato) tetra amine-cobalt (III) perchlorate)
		(CAS 117412-28-9);
	3.	CL-14 (diamino dinitrobenzofuroxan or 5,7-diamino-4,6-dinitrobenzofurazane-1-oxide) (CAS
		117907-74-1);
	4.	CL-20 (HNIW or Hexanitrohexaazaisowurtzitane) (CAS 135285-90-4); chlathrates of CL-20 (see also
		6A008.g.3. and g.4. for its "precursors");
	5.	CP (2-(5-cyanotetrazolato) penta amine-cobalt (III) perchlorate)
		(CAS 70247-32-4);
	6.	DADE (1,1-diamino-2,2-dinitroethylene, FOX-7) (CAS 145250-81-3);
	7.	DATB (diaminotrinitrobenzene) (CAS 1630-08-6);
	8.	DDFP (1,4-dinitrodifurazanopiperazine);
	9.	DDPO (2,6-diamino-3,5-dinitropyrazine-1-oxide, PZO) (CAS 194486-77-6);
	10.	DIPAM [redacted] -diamino-[redacted] -hexanitrobiphenyl or dipicramide)(CAS 17215-44-0);
	11.	DNGU (DINGU or dinitroglycoluril) (CAS 55510-04-8);
	12	Furazans as follows: a. DAAOF (DAAF, DAAFox, or diaminoazoxyfurazan); b. DAAzF (diaminoazofurazan) (CAS 78644-90-3);
	13.	HMX and derivatives (see also 6A008.g.5. for its "precursors"), as follows: a. HMX (Cyclotetramethylenetetranitramine, octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazine, 1,3,5,7- tetranitro-1,3,5,7-tetraza-cyclooctane, octogen or octogene) (CAS 2691-41-0); b. difluoroaminated analogs of HMX; c. K-55 (2,4,6,8-tetranitro-2,4,6,8-tetraazabicyclo [3,3,0]-octanone-3, tetranitrosemiglycouril or keto-bicyclic HMX) (CAS 130256-72-3);
	14.	HNAD (hexanitroadamantane) (CAS 143850-71-9);
	15.	HNS (hexanitrostilbene) (CAS 20062-22-0);
	16.	Imidazoles as follows: a. BNNII (Octahydro-2,5-bis(nitroimino)imidazo [4,5-d]imidazole); b. DNI (2,4-dinitroimidazole) (CAS 5213-49-0); c. FDIA (1-fluoro-2,4-dinitroimidazole); d. NTDNIA (N-(2-nitrotriazolo)-2,4-dinitroimidazole); e. PTIA (1-picryl-2,4,5-trinitroimidazole);

6A008 a. 17. NTNMH (1-(2-nitrotriazolo)-2-dinitromethylene hydrazine);

18. NTO (ONTA or 3-nitro-1,2,4-triazol-5-one) (CAS 932-64-9);

19. Polynitrocubanes with more than four nitro groups;

20. PYX (2,6-Bis(picrylamino)-3,5-dinitropyridine) (CAS 38082-89-2);

21. RDX and derivatives, as follows:

    a. RDX (cyclotrimethylenetrinitramine, cyclonite, T4, hexahydro-1,3,5-trinitro-1,3,5-triazine, 1,3,5-trinitro-1,3,5- triaza-cyclohexane, hexogen or hexogene) (CAS 121-82-4);

    b. Keto-RDX (K-6 or 2,4,6-trinitro-2,4,6-triazacyclohexanone) (CAS 115029-35-1);

22. TAGN (triaminoguanidinenitrate) (CAS 4000-16-2);

23. TATB (triaminotrinitrobenzene) (CAS 3058-38-6) (see also 6A008.g.7 for its "precursors");

24. TEDDZ (3,3,7,7-tetrabis(difluoroamine) octahydro-1,5-dinitro-1,5- diazocine);

25. Tetrazoles as follows:

    a. NTAT (nitrotriazol aminotetrazole);

    b. NTNT (1-N-(2-nitrotriazolo)-4-nitrotetrazole);

26. Tetryl (trinitrophenylmethylnitramine) (CAS 479-45-8);

27. TNAD (1,4,5,8-tetranitro-1,4,5,8-tetraazadecalin) (CAS 135877-16-6) (see also 6A008.g.6. for its "precursors");

28. TNAZ (1,3,3-trinitroazetidine) (CAS 97645-24-4) (see also 6A008.g.2. for its "precursors");

29. TNGU (SORGUYL or tetranitroglycoluril) (CAS 55510-03-7);

30. TNP (1,4,5,8-tetranitro-pyridazino[4,5-d]pyridazine) (CAS 229176- 04-9);

31. Triazines as follows:

    a. DNAM (2-oxy-4,6-dinitroamino-s-triazine) (CAS 19899-80-0);

    b. NNHT (2-nitroimino-5-nitro-hexahydro-1,3,5-triazine) (CAS130400-13-4);

32. Triazoles as follows:

    a. 5-azido-2-nitrotriazole;

    b. ADHTDN(4-amino-3,5-dihydrazino-1,2,4-triazole dinitramide)(CAS 1614-08-0);

    c. ADNT (1-amino-3,5-dinitro-1,2,4-triazole);

    d. BDNTA ((bis-dinitrotriazole)amine);

    e. -dinitro-5,5-bi-1,2,4-triazole) (CAS 30003-46-4);

    f. DNBT (dinitrobistriazole) (CAS 70890-46-9);

    g. (Reserved)

    h. NTDNT (1-N-(2-nitrotriazolo) 3,5-dinitrotriazole);

    i. PDNT (1-picryl-3,5-dinitrotriazole);

    j. TACOT (tetranitrobenzotriazolobenzotriazole)(CAS 25243- 36-1);

33. "Explosives" not listed elsewhere in 6A008.a and having any of the following:

1. Detonation velocity exceeding 8,700 m/s, at maximum density, or
2. Detonation pressure exceeding 34 GPa (340 kbar);

33. (Reserved)

34. DNAN (2,4-dinitroanisole) (CAS 119-27-7);

35. TEX (4,10-Dinitro-2,6,8,12-tetraoxa-4,10-diazaisowurtzitane);

36. GUDN (Guanylurea dinitramide) FOX-12 (CAS 217464-38-5);

37. Tetrazines as follows:

1. BTAT (Bis(2,2,2-trinitroethyl)-3,6-diaminotetrazine);
2. LAX-112 (3,6-diamino-1,2,4,5-tetrazine-1,4-dioxide);

38. Energetic ionic materials melting between 343 K (70°C) and 373 K (100°C) and with detonation velocity exceeding 6,800 m/s or detonation pressure exceeding 18 GPa (180 kbar);

39. BTNEN (Bis(2,2,2-trinitroethyl)-nitramine) (CAS 19836-28-3);

41. FTDO (5,6-(3',4'-furazano)- 1,2,3,4-tetrazine-1,3-dioxide);

42. EDNA (Ethylenedinitramine) (CAS 505-71-5)

43. TKX-50 (Dihydroxylammonium 5,5'-bistetrazole-1,1'-diolate);

Note *6A008.a includes 'explosive co-crystals'.*

Technical Note

An 'explosive co-crystal' is a solid material consisting of an ordered three dimensional arrangement of two or more explosive molecules, where at least one is specified in 6A008.a.

6A008 b. "Propellants" as follows:

1. Any solid "propellant" with a theoretical specific impulse (under standard conditions) of more than:
   a. 240 seconds for non-metallized, non-halogenized "propellant";
   b. 250 seconds for non-metallized, halogenized "propellant"; or
   c. 260 seconds for metallized "propellant";
2. (Reserved)
3. "Propellants" having a force constant of more than 1,200 kJ/kg;
4. "Propellants" that can sustain a steady-state linear burning rate of more than 38 mm/s under standard conditions (as measured in the form of an inhibited single strand) of 6.89 MPa (68.9 bar) pressure and 294K (21°C);
5. Elastomer Modified Cast Double Base (EMCDB) "propellants" with extensibility at maximum stress of more than 5% at 233K (-40°C);
6. Any "propellant" containing substances specified by 6A008.a;
7. "Propellants", not specified elsewhere in Category 6, specially designed for military use;

6A008. **c.** "Pyrotechnics", fuels and related substances, as follows, and 'mixtures' thereof:

1. "Aircraft" fuels specially formulated for military purposes;

Note : "Aircraft" fuels specified by 6A008.c.1 are finished products, not their constituents. Note 1: 6A008.c.1 does not apply to the following "aircraft" fuels: JP-4, JP-5, and JP-8.

2. Alane (aluminium hydride) (CAS 7784-21-6);
3. Boranes, as follows, and their derivatives:
   a. Carboranes;
   b. Borane homologues, as follows:
      1. Decaborane (14) (CAS 17702-41-9);
      2. Pentaborane (9) (CAS 19624-22-7);
      3. Pentaborane (11) (CAS 18433-84-6);

4. Hydrazine and derivatives, as follows (see also 6A008.d.8. and d.9. for oxidising hydrazine derivatives):

a. Hydrazine (CAS 302-01-2) in concentrations of 70% or more;

a. Monomethyl hydrazine (CAS 60-34-4);
b. Symmetrical dimethyl hydrazine (CAS 540-73-8);
c. Unsymmetrical dimethyl hydrazine (CAS 57-14-7);
d.

Note 6A008.c.4.a does not apply to hydrazine 'mixtures' specially formulated for corrosion control

6A008 c. 5. Metal fuels, fuel 'mixtures' or "pyrotechnic" 'mixtures', in particle form whether spherical, atomized, spheroidal, flaked or ground, manufactured from material consisting of 99 % or more of any of the following:

a. Metals as follows and 'mixtures' thereof:
   1. Beryllium (CAS 7440-41-7) in particle sizes of less than 60 µm;
   2. Iron powder (CAS 7439-89-6) with particle size of 3 µm or less produced by reduction of iron oxide with hydrogen;

b. 'Mixtures' containing any of the following:
   1. Zirconium (CAS 7440-67-7), magnesium (CAS 7439-95-4) or alloys of these in particle sizes of less than 60 µm; or
   2. Boron (CAS 7440-42-8) or boron carbide (CAS 12069-32-8) fuels of 85% purity or higher and particle sizes of less than 60 µm;

Note 1 *6A008.c.5 applies to "explosives" and fuels, whether or not the metals or alloys are encapsulated in aluminium, magnesium, zirconium, or beryllium.*

Note 2 *6A008.c.5.b only applies to metal fuels in particle form when they are mixed with other substances to form a 'mixture' formulated for military purposes such as liquid "propellant" slurries, solid "propellants", or "pyrotechnic" 'mixtures'.*

Note 3 *6A008.c.5.b.2 does not apply to boron and boron carbide enriched with boron-10 (20% or more of total boron-10 content.)*

6A008 c. 6. Military materials, containing thickeners for hydrocarbon fuels, specially formulated for use in flame throwers or incendiary munitions, such as metal stearates (e.g, octal (CAS 637-12-7)) or palmitates;

7. Perchlorates, chlorates and chromates, composited with powdered metal or other high energy fuel components;

8. Spherical or spheroidal aluminium powder (CAS 7429-90-5) with a particle size of 60 µm or less and manufactured from material with an aluminium content of 99% or more;

9. Titanium subhydride (TiH_n) of stoichiometry equivalent to n= 0.65-1.68;

10. Liquid high energy density fuels not specified in 6A008.c.1, as follows:

a. Mixed fuels, that incorporate both solid and liquid fuels (e.g, boron slurry), having a mass-based energy density of 40 MJ/kg or greater;

b. Other high energy density fuels and fuel additives (e.g, cubane, ionic solutions, JP-7, JP-10), having a volume-based energy density of 37.5 GJ per cubic meter or greater, measured at 293 K (20°C) and one atmosphere (101.325 kPa) pressure;

Note *6A008.c.10.b does not apply to fossil refined fuels or biofuels, or fuels for engines certified for use in civil aviation.*

6A008 c. 11. "Pyrotechnic" and pyrophoric materials as follows:

a. "Pyrotechnic" or pyrophoric materials specifically formulated to enhance or control the production of radiated energy in any part of the IR spectrum;

b. Mixtures of magnesium, polytetrafluoroethylene (PTFE) and a vinylidene difluoride- hexafluoropropylene copolymer (e.g, MTV);

12. Fuel mixtures, "pyrotechnic" mixtures or "energetic materials", not specified elsewhere in 6A008, having all of the following:

a. Containing greater than 0.5% of particles of any of the following:

1. Aluminium;
2. Beryllium;
3. Boron;
4. Zirconium;
5. Magnesium; or
6. Titanium;

b. Particles specified by 6A008.c.12. with a size less than 200 nm in any direction; and

c. Particles specified by 6A008.c.12.a. with a metal content of 60% or greater;

Note *6A008.c.12. includes thermites.*

6A008 d. Oxidizers as follows, and 'mixtures' thereof:

1. ADN (ammonium dinitramide or SR 12) (CAS 140456-78-6);
2. AP (ammonium perchlorate) (CAS 7790-98-9);
3. Compounds composed of fluorine and any of the following:
   a. Other halogens;
   b. Oxygen; or
   c. Nitrogen;

Note 1 *6A008.d.3 does not apply to chlorine trifluoride (CAS 7790-91-2).*

Note 2 *6A008.d.3 does not apply to nitrogen trifluoride (CAS 7783-54-2) in its gaseous state.*

Note 3 *6A008 d. 3 does not apply to iodine pentafluoride (CAS 7783-66-6)*

	4.	DNAD (1,3-dinitro-1,3-diazetidine) (CAS 78246-06-7);
	5.	HAN (hydroxylammonium nitrate) (CAS 13465-08-2);
	6.	HAP (hydroxylammonium perchlorate) (CAS 15588-62-2);
	7.	HNF (hydrazinium nitroformate) (CAS 20773-28-8);
	8.	Hydrazine nitrate (CAS 37836-27-4);
	9.	Hydrazine perchlorate (CAS 27978-54-7);
	10.	Liquid oxidisers comprised of or containing inhibited red fuming nitric acid (IRFNA) (CAS 8007-58-7);
		Note *6A008.d.10 does not apply to non-inhibited fuming nitric acid.*

6A008 e. Binders, plasticizers, monomers and polymers, as follows:

1. AMMO (azidomethylmethyloxetane and its polymers) (CAS 90683-29-7) (see also 6A008.g.1. for its "precursors");
2. BAMO (3,3-bis(azidomethyl)oxetane and its polymers) (CAS 17607-20-4) (see also 6A008.g.1. for its "precursors");
3. BDNPA (bis (2,2-dinitropropyl)acetal) (CAS 5108-69-0);
4. BDNPF (bis (2,2-dinitropropyl)formal) (CAS 5917-61-3);
5. BTTN (butanetrioltrinitrate) (CAS 6659-60-5) (see also 6A008.g.8 for its "precursors");
6. Energetic monomers, plasticizers or polymers, specially formulated for military use and containing any of the following:
   a. Nitro groups;
   b. Azido groups;
   c. Nitrate groups;
   d. Nitraza groups; or
   e. Difluoroamino groups;
7. FAMAO (3-difluoroaminomethyl-3-azidomethyl oxetane) and its polymers;
8. FEFO (bis-(2-fluoro-2,2-dinitroethyl) formal) (CAS 17003-79-1);
9. FPF-1 (poly-2,2,3,3,4,4-hexafluoropentane-1,5-diol formal) (CAS 376-90-9);
10. FPF-3(poly-2,4,4,5,5,6,6-heptafluoro-2-tri-fluoromethyl-3-oxaheptane-1,7-diol formal);
11. GAP (glycidylazide polymer) (CAS 143178-24-9) and its derivatives;
12. HTPB (hydroxyl terminated polybutadiene) with a hydroxyl functionality equal to or greater than 2.2 and less than or equal to 2.4, a hydroxyl value of less than 0.77 meq/g, and a viscosity at 30°C of less than 47 poise (CAS 69102-90-5);
13. Alcohol functionalised poly(epichlorohydrin) with a molecular weight less than 10,000, as follows:
   a. Poly(epichlorohydrindiol);
   b. Poly(epichlorohydrintriol).
14. NENAs (nitratoethylnitramine compounds) (CAS 17096-47-8, 85068-73-1, 82486-83-7, 82486-82-6And 85954-06-9);
15. PGN (poly-GLYN, polyglycidylnitrate or poly(nitratomethyl oxirane)) (CAS 27814-48-8);
16. Poly-NIMMO (poly (nitratomethylmethyloxetane), poly-NMMO or poly (3-Nitratomethyl-3- methyloxetane)) (CAS 84051-81-0);
17. Polynitroorthocarbonates;

18. TVOPA (1,2,3-tris[1,2-bis(difluoroamino)ethoxy] propane or tris vinoxy propane adduct) (CAS 53159- 39-0);
19. 4,5 diazidomethyl-2-methyl-1,2,3-triazole (iso- DAMTR);
20. PNO (Poly(3-nitrato oxetane));
21. TMETN (Trimethylolethane trinitrate) (CAS 3032-55-1)

6A008 f. "Additives" as follows:

1. Basic copper salicylate (CAS 62320-94-9);
2. BHEGA (bis-(2-hydroxyethyl) glycolamide) (CAS 17409-41-5);
3. BNO (butadienenitrileoxide);
4. Ferrocene derivatives as follows:
   a. Butacene (CAS 125856-62-4);
   b. Catocene (2,2-bis-ethylferrocenyl propane) (CAS 37206-42-1);
   c. Ferrocene carboxylic acids and ferrocene carboxylic acid esters;
   d. n-butyl-ferrocene (CAS 31904-29-7);
   e. Other adducted polymer ferrocene derivatives not specified elsewhere in 6A008.f.4;
   f. Ethyl ferrocene (CAS 1273-89-8);
   g. Propyl ferrocene;
   h. Pentyl ferrocene (CAS 1274-00-6);
   i. Dicyclopentyl ferrocene;
   j. Dicyclohexyl ferrocene;
   k. Diethyl ferrocene (CAS 1273-97-8);
   l. Dipropyl ferrocene;
   m. Dibutyl ferrocene (CAS 1274-08-4);
   n. Dihexyl ferrocene (CAS 93894-59-8);
   o. Acetyl ferrocene (CAS 1271-55-2)/1,1'-diacetyl ferrocene (CAS 1273-94-5);
5. Lead beta-resorcylate (CAS 20936-32-7) or copper beta-resorcylate (CAS 70983-44-7);
6. Lead citrate (CAS 14450-60-3);
7. Lead-copper chelates of beta-resorcylate or salicylates (CAS 68411-07-4);
8. Lead maleate (CAS 19136-34-6);
9. Lead salicylate (CAS 15748-73-9);
10. Lead stannate (CAS 12036-31-6);
11. MAPO (tris-1-(2-methyl)aziridinyl phosphine oxide) (CAS 57-39-6); BOBBA 8 (bis(2-methyl aziridinyl) 2-(2-hydroxypropanoxy) propylamino phosphine oxide); and other MAPO derivatives;
12. Methyl BAPO (bis(2-methyl aziridinyl) methylamino phosphine oxide) (CAS 85068-72-0);
13. N-methyl-p-nitroaniline (CAS 100-15-2);
14. 3-Nitraza-1,5-pentane diisocyanate (CAS 7406-61-9);
15. Organo-metallic coupling agents as follows:
   a. Neopentyl[diallyl]oxy, tri[dioctyl]phosphato-titanate (CAS 103850-22-2); also known as titanium IV, 2,2[bis 2-propenolato-methyl, butanolato, tris (dioctyl) phosphato] (CAS 110438-25-0); or LICA 12

(CAS 103850-22-2);

b. Titanium IV, [(2-propenolato-1) methyl, n-propanolatomethyl] butanolato-1, tris[dioctyl] pyrophosphate or KR3538;

c. Titanium IV, [(2-propenolato-1)methyl, n-propanolatomethyl] butanolato-1, tris(dioctyl)phosphate;

16. Polycyanodifluoroaminoethyleneoxide;

17. Bonding agents as follows:

a. 1,1R,1S-trimesoyl-tris(2-ethylaziridine) (HX-868, BITA) (CAS 7722-73-8);

b. Polyfunctional aziridine amides with isophthalic, trimesic, isocyanuric or trimethyladipic backbone also having a 2-methyl or 2-ethyl aziridine group;

Note *Item 6A008.f.17.b. includes:*

a. 1,1H-Isophthaloyl-bis(2-methylaziridine)(HX-752) (CAS 7652-64-4);

b. 2,4,6-tris(2-ethyl-1-aziridinyl)-1,3,5-triazine (HX-874) (CAS 18924-91-9);

c. 1,1'-trimethyladipoyl-bis(2-ethylaziridine) (HX-877) (CAS 71463-62-2).

18. Propyleneimine (2-methylaziridine) (CAS 75-55-8);

19. Superfine iron oxide (Fe_2O_3) (CAS 1317-60-8) with a specific surface area more than 250 m2/g andan average particle size of 3.0 nm or less;

20. TEPAN (tetraethylenepentaamineacrylonitrile) (CAS 68412-45-3); cyanoethylated polyamines and their salts;

21. TEPANOL (tetraethylenepentaamineacrylonitrileglycidol) (CAS 68412-46-4); cyanoethylated polyamines adducted with glycidol and their salts;

22. TPB (triphenyl bismuth) (CAS 603-33-8);

23. TEPB (Tris (ethoxyphenyl) bismuth) (CAS 90591-48-3);

6A008 g. "Precursors" as follows:

N.B. *In 6A008.g the references are to specified "Energetic Materials" manufactured from these substances.*

1. BCMO (3,3-bis(chloromethyl)oxetane) (CAS 78-71-7) (see also 6A008.e.1 and e.2);
2. Dinitroazetidine-t-butyl salt (CAS 125735-38-8) (see also 6A008.a.28);
3. Hexaazaisowurtzitane derivates including HBIW (hexabenzylhexaazaisowurtzitane) (CAS 124782-15-6) (see also 6A008.a.4) and TAIW (tetraacetyldibenzylhexaazaisowurtzitane) (CAS 182763-60-6) (see also 6A008.a.4);
4. (Reserved)
5. TAT (1,3,5,7 tetraacetyl-1,3,5,7,-tetraaza cyclo-octane) (CAS 41378-98-7) (see also 6A008.a.13);

6. 1,4,5,8-tetraazadecalin (CAS 5409-42-7) (see also 6A008.a.27);
7. 1,3,5-trichlorobenzene (CAS 108-70-3) (see also 6A008.a.23);
8. 1,2,4-trihydroxybutane (1,2,4-butanetriol) (CAS 3068-00-6) (see also 6A008.e.5);
9. DADN (1,5-diacetyl-3,7-dinitro-1, 3, 5, 7-tetraaza-cyclooctane) (see also 6A008.a.13).

6A008 h. 'Reactive material' powders and shapes, as follows:

1. Powders of any of the following materials, with a particle size less than 250 μm in any direction and not specified elsewhere by 6A008:
   a. Aluminium;
   b. Niobium;
   c. Boron;
   d. Zirconium;
   e. Magnesium;
   f. Titanium;
   g. Tantalum;
   h. Tungsten;
   i. Molybdenum; or
   j. Hafnium;
2. Shapes, not specified by 6A003, 6A004, 6A012 or 6A016, fabricated from powders specified by 6A008.h.1.

Technical Notes

1. *'Reactive materials' are designed to produce an exothermic reaction only at high shear rates and for use as liners or casings in warheads.*
2. *'Reactive material' powders are produced by, for example, a high energy ball milling process.*
3. *'Reactive material' shapes are produced by, for example, selective laser sintering.*

Note 1 6A008 does not apply to the following substances unless they are compounded or mixed with the "energetic material" specified by 6A008.a. or powdered metals specified by 6A008.c:

a. Ammonium picrate (CAS 131-74-8);
b. Black powder;
c. Hexanitrodiphenylamine (CAS 131-73-7);
d. Difluoroamine (CAS 10405-27-3);
e. Nitrostarch (CAS 9056-38-6);
f. Potassium nitrate (CAS 7757-79-1);

g. *Tetranitronaphthalene;*

h. *Trinitroanisol;*

i. *Trinitronaphthalene;*

j. *Trinitroxylene;*

k. *N-pyrrolidinone; 1-methyl-2-pyrrolidinone (CAS 872-50-4);*

l. *Dioctylmaleate (CAS 142-16-5);*

m. *Ethylhexylacrylate (CAS 103-11-7);*

n. *Triethylaluminium (TEA) (CAS 97-93-8), trimethylaluminium (TMA) (CAS 75-24-1), and other pyrophoric metal alkyls and aryls of lithium, sodium, magnesium, zinc or boron;*

o. *Nitrocellulose (CAS 9004-70-0);*

p. *Nitroglycerin (or glyceroltrinitrate, trinitroglycerine) (NG) (CAS 55-63-0);*

q. *2,4,6-trinitrotoluene (TNT) (CAS 118-96-7);*

r. *Ethylenediaminedinitrate (EDDN) (CAS 20829-66-7);*

s. *Pentaerythritoltetranitrate (PETN) (CAS 78-11-5);*

t. *Lead azide (CAS 13424-46-9), normal lead styphnate (CAS 15245-44-0) and basic lead styphnate (CAS 12403-82-6), and primary explosives or priming compositions containing azides or azide complexes;*

u. *Triethyleneglycoldinitrate (TEGDN) (CAS 111-22-8);*

v. *2,4,6-trinitroresorcinol (styphnic acid) (CAS 82-71-3);*

w. *Diethyldiphenylurea; (CAS 85-98-3); dimethyldiphenylurea; (CAS 611-92-7), methylethyldiphenylurea; [Centralites]*

x. *N,N-diphenylurea (unsymmetrical diphenylurea) (CAS 603-54-3);*

y. *Methyl-N,N-diphenylurea (methyl unsymmetrical diphenylurea) (CAS 13114-72-2);*

z. *Ethyl-N,N-diphenylurea (ethyl unsymmetrical diphenylurea) (CAS 64544-71-4); a.Nitrodiphenylamine (2-NDPA) (CAS 119-75-5);*

b. 4-Nitrodiphenylamine (4-NDPA) (CAS 836-306);

c. 2,2-dinitropropanol (CAS 918-52-5);

d. Nitroguanidine (CAS 556-88-7) (see 8C111.d.).

Note 2 *6A008 does not apply to ammonium perchlorate (6A008.d.2), NTO (6A008.a.18) or catocene (6A008.f.4.b), and meeting all of the following:*

a. Specially shaped and formulated for civil-use gas generation devices;

b. Compounded or mixed, with non-active thermoset binders or plasticizers, and having a mass of less than 250 g;

c. *Having a maximum of 80% ammonium perchlorate (6A008.d.2) in mass of active material;*

d. *Having less than or equal to 4 g of NTO (6A008.a.18); and*

e. *Having less than or equal to 1 g of catocene (6A008.f.4.b).*

6A009 Vessels of war (surface or underwater), special naval equipment, accessories, components and other surface vessels, as follows:

N.B. For guidance and navigation equipment, see 6A011.

a. Vessels and components, as follows:

1. Vessels (surface or underwater) specially designed or modified for military use, regardless of current state of repair or operating condition, and whether or not they contain weapon delivery systems or armour, and hulls or parts of hulls for such vessels, and components therefor specially designed for military use;

Note 6A009.a.1. includes vehicles specially designed or modified for the delivery of divers

2. Surface vessels, not specified in 6A009.a.1., having any of the following, fixed or integrated into the vessel:

a. Automatic weapons specified in 6A001., or weapons specified in 6A002., 6A004., 6A012. Or 6A019., or 'mountings' or hard points for weapons having a calibre of 12.7 mm or greater;

Technical Note

'Mountings' refers to weapon mounts or structural strengthening for the purpose of installing weapons.

b. Fire control systems specified in 6A005;

c. Having all of the following:

1. 'Chemical, Biological, Radiological and Nuclear (CBRN) protection'; and

2. 'Pre-wet or wash down system' designed for decontamination purposes; or

Technical Notes

For the purposes of 6A009a.2.c.2, 'Pre-wet or wash down system' is a seawater spray system capable of simultaneously wetting the exterior superstructure and decks of a vessel.

d. Active weapon countermeasure systems specified in 6A004.b, 6A005.c or 6A011.a and having any of the following:

1. 'CBRN protection';
2. Hull and superstructure, specially designed to reduce the radar cross section;
3. Thermal signature reduction devices, (e.g, an exhaust gas cooling system), excluding those specially designed to increase overall power plant efficiency or to reduce the environmental impact; or
4. A degaussing system designed to reduce the magnetic signature of the whole vessel;

Technical Note

For the purposes of 6A009.a.2., 'CBRN protection' is a self-contained interior space containing features such as over-pressurization, isolation of ventilation systems, limited ventilation openings with CBRN filters and limited personnel access points incorporating air-locks.

6A009 b. Engines and propulsion systems, as follows, specially designed for military use and components therefor specially designed for military use:

1. Diesel engines specially designed for submarines:
   a. Power output of 1.12 MW (1,500 hp) or more; and
   b. Rotary speed of 700 rpm or more;

2. Electric motors specially designed for submarines and having all of the following:
   a. Power output of more than 0.75 MW (1,000 hp);
   b. Quick reversing;
   c. Liquid cooled; and
   d. Totally enclosed;

3. Diesel engines having all of the following:
   a. Power output of 37.3 kW (50 hp) or more; and
   b. 'Non-magnetic' content in excess of 75% of total mass;

Technical Note

For the purposes of 6A009.b.3., 'non-magnetic' means the relative permeability is less than 2.

4. 'Air Independent Propulsion' (AIP) systems specially designed for submarines;

Note 6A009.b.4 does not apply to nuclear power.

Technical Note

'Air Independent Propulsion' (AIP) allows a submerged submarine to operate its propulsion system, without access to atmospheric oxygen, for a longer time than the batteries would have otherwise allowed.

N.B. See 6A009.h for nuclear power propulsion equipment

6A009 c. Underwater detection devices, specially designed for military use, controls therefor and components therefor specially designed for military use;

d. Anti-submarine nets and anti-torpedo nets, specially designed for military use;

e. (Reserved)

f. Hull penetrators and connectors, specially designed for military use, that enable interaction with equipment external to a vessel, and components therefor specially designed for military use;

Note *6A009.f includes connectors for vessels which are of the single-conductor, multi-conductor, coaxial or waveguide type, and hull penetrators for vessels, both of which are capable of remaining impervious to leakage from without and of retaining required characteristics at marine depths exceeding 100 m; and fibre-optic connectors and optical hull penetrators, specially designed for "laser" beam transmission, regardless of depth. 6A009.f. does not apply to ordinary propulsive shaft and hydrodynamic control-rod hull penetrators.*

6A009 g. Silent bearings having any of the following, components therefor and equipment containing those bearings, specially designed for military use:

1. Gas or magnetic suspension;
2. Active signature controls; or
3. Vibration suppression controls.

6A009 h. Nuclear power generating equipment or propulsion equipment, specially designed for vessels specified in 6A009.a. and components therefor specially designed or 'modified' for military use.

Technical Note

For the purpose of 6A009.h., 'modified' means any structural, electrical, mechanical, or other change that provides a non-military item with military capabilities equivalent to an item which is specially designed for military use.

Note *6A009.h. includes "nuclear reactors".*

N.B *See Commodity Identification Note 2 to SCOMET.*

6A010 "Aircraft", "lighter-than-air vehicles", "Unmanned Aerial Vehicles" ("UAVs"), aero-engines and "aircraft" equipment, related equipment, and components, as follows, specially designed or modified for military use:

N.B. *For guidance and navigation equipment, see 6A011.*

a. Manned "aircraft" and "lighter-than-air vehicles", and specially designed components therefor;

b. (Reserved)

c. Unmanned "aircraft" and "lighter-than-air vehicles", and related equipment, as follows, and specially designed components therefor:

1. "UAVs", Remotely Piloted Air Vehicles (RPVs), autonomous programmable vehicles and unmanned "lighter-than-air vehicles";
2. Launchers, recovery equipment and ground support equipment;
3. Equipment designed for command or control;

d. Propulsion aero-engines and specially designed components therefor;

e. Airborne refuelling equipment specially designed or modified for any of the following, and specially designed components therefor:

1. "Aircraft" specified by 6A010.a; or
2. Unmanned "aircraft" specified by 6A010.c;

f. 'Ground equipment' specially designed for "aircraft" specified by 6A010.a or aero-engines specified by 6A010.d;

Technical Note

Note 1 6A010.f. includes pressure refuelling equipment and equipment designed to facilitate operations in confined areas, including equipment located on board a ship.

Note 2 6A010.f. does not apply to:

1. Towbars;

2. Protective mats and covers;

3. Ladders, steps and platforms;

4. Chocks, lashings and tie-down equipment

g. Aircrew life support equipment, aircrew safety equipment and other devices for emergency escape, not specified in 6A010.a, designed for "aircraft" specified by 6A010.a;

Note 6A010.g does not control aircrew helmets that do not incorporate, or have mountings or fittings for, equipment specified in Category 6.

N.B. For helmets see also 6A013.c.

h. Parachutes, paragliders and related equipment, as follows, and specially designed components therefor:

1. Parachutes not specified elsewhere in Category 6;
2. Paragliders;
3. Equipment specially designed for high altitude parachutists (e.g, suits, special helmets, breathing systems, navigation equipment);

i. Controlled opening equipment or automatic piloting systems, designed for parachuted loads.

Note 2 *6A010.d does not apply to:*

a. *Aero-engines designed or modified for military use which have been certified by civil aviation authority ofIndia,for use in "civil aircraft"or specially designed components therefor;*

b. *Reciprocating engines or specially designed components therefor, except those specially designed for "UAVs".*

Note 3 *For the purposes of 6A010.a, and 6A010.d, specially designed components and related equipment for non- military "aircraft" or aero-engines modified for military use applies only to those military components and to military related equipment required for the modification to military use*

Note 4 *For the purposes of 6A010.a, military use includes: combat, military reconnaissance, assault, military training, logistics support, and transporting and airdropping troops or military equipment.*

Note 5 *6A010.a. does not apply to "aircraft" or "lighter-than-air vehicles" that meet all of the following:*

a. *Were first manufactured before 1946;*

b. *Do not incorporate items specified by the unless the items are required to meet safety or airworthiness standards of civil aviation authorities of one or more Wassenaar Arrangement Participating States; and*

c. *Do not incorporate weapons specified by the Munitions List, unless inoperable and incapable of being returned to operation.*

d.

Note 6 *6A010.d. does not apply to propulsion aero-engines that were first manufactured before 1946.*

6A011 Electronic equipment, "spacecraft" and components, not specified elsewhere on Category 6, as follows:

a. Electronic equipment specially designed for military use and specially designed components therefor;

Note *6A011.a includes:*

a. *Electronic countermeasure and electronic counter-countermeasure equipment (i.e, equipment designed to introduce extraneous or erroneous signals into radar or radio communication receivers or otherwise hinder the reception, operation or effectiveness of adversary electronic receivers including their countermeasure equipment), including jamming and counter-jamming equipment;*

b. *Frequency agile tubes;*

c. *Electronic systems or equipment, designed either for surveillance and monitoring of the electro- magnetic spectrum for military intelligence or security purposes or for counteracting such surveillance and monitoring;*

d. *Underwater countermeasures, including acoustic and magnetic jamming and decoy, equipment designed to introduce extraneous or erroneous signals into sonar receivers;*

e. *Data processing security equipment, data security equipment and transmission and signalling line security equipment, using* cryptographic functionality;

f. *Identification, authentification and keyloader equipment and key management, manufacturing and distribution equipment;*

g. *Guidance and navigation equipment;*

h. *Digital troposcatter-radio communications transmission equipment;*

i. *Digital demodulators specially designed for signals intelligence;*

j. *"Automated Command and Control Systems".*

N.B. *For "software" associated with military "Software" Defined Radio (SDR), see 6A021.*

6A011 b. Jamming equipment designed or modified to hinder the reception, operation or effectiveness of positioning, navigation or timing services provided by "satellite navigation systems", and specially designed components therefor;

6A011 c. "Spacecraft" specially designed or modified for military use, and "spacecraft" components specially designed for military use.

6A012 High velocity kinetic energy weapon systems and related equipment, as follows, and specially designed components therefor:

a. Kinetic energy weapon systems specially designed for destruction or effecting mission-abort of a target;

b. Specially designed test and evaluation facilities and test models, including diagnostic instrumentation and targets, for dynamic testing of kinetic energy projectiles and systems.

N.B. *For weapon systems using sub-calibre ammunition or employing solely chemical propulsion, and ammunition therefor, see 6A001 to 6A004.*

Note 1 *6A012 includes the following when specially designed for kinetic energy weapon systems:*

a. *Launch propulsion systems capable of accelerating masses larger than 0.1 g to velocities in excess of 1.6 km/s, in single or rapid fire modes;*

b. *Prime power generation, electric armour, energy storage (e.g, high energy storage capacitors), thermal management, conditioning, switching or fuel-handling equipment; and electrical interfaces between power supply, gun and other turret electric drive functions;*

N.B. *See also 8A301.e.2 for high energy storage capacitors.*

c. *Target acquisition, tracking, fire control or damage assessment systems;*

d. *Homing seeker, guidance or divert propulsion (lateral acceleration) systems for projectiles.*

Note 2 *6A012 applies to weapon systems using any of the following methods of propulsion:*

a. *Electromagnetic;*

b. *Electrothermal;*

c. *Plasma;*

d. *Light gas; or*

e. *Chemical (when used in combination with any of the above).*

6A013 Armoured or protective equipment, constructions, components and accessories as follows:

a. Metallic or non-metallic armoured plate, having any of the following:

1. Manufactured to comply with a military standard or specification; or
2. Suitable for military use;

N.B. *For body armour plates, see 6A013.d.2.*

b. Constructions of metallic or non-metallic materials, or combinations thereof, specially designed to provide ballistic protection for military systems, and specially designed components therefor;

c. Helmets and specially designed components and accessories therefor, as follows:

1. Helmets manufactured according to military standards or specifications, or comparable national standards;

2. Shells, liners, or comfort pads, specially designed for helmets specified in 6A013.c.1.;

3. Add-on ballistic protection elements, specially designed for helmets specified in 6A013.c.1.

N.B. For other military helmet components or accessories, see the relevant Category 6 entry.

d. Body armour or protective garments, and components therefor, as follows:

1. Soft body armour or protective garments, manufactured to military standards or specifications, or to their equivalents, and specially designed components therefor;

Note *For the purposes of 6A013.d.1, military standards or specifications include, at a minimum, specifications for fragmentation protection.*

2. Hard body armour plates providing ballistic protection equal to or greater than level III (NIJ 0101.06, July 2008), or "equivalent standards".

Note 1 *6A013.b includes materials specially designed to form explosive reactive armour or to construct military shelters.*

Note 2 *6A013.c. does not apply to helmets that meet all of the following:*

a. Were first manufactured before 1970; and

b. Are neither designed or modified to accept, nor equipped with items specified by Category 6.

Note 3 *6A013.c and d. do not apply to helmets, body armour or protective garments, when accompanying their user for the user's own personal protection.*

Note 4 *The only helmets specially designed for bomb disposal personnel that are specified by 6A013.c. are those specially designed for military use.*

Note 5 *6A013.d.1. does not apply to protective eyewear.*

N.B. For "laser" protective eyewear, see 6A017.o.

N.B. 1 See also entry 8A105 on the Dual-Use List.

N.B. 2 For "fibrous or filamentary materials" used in the manufacture of body armour and helmets, see entry 8C110 on the Dual-Use List

N.B. 1 *See also 8A105.*

N.B. 2 *For "fibrous or filamentary materials" used in the manufacture of body armour and helmets, see 8C110.*

6A014 'Specialised equipment for military training' or for simulating military scenarios, simulators specially designed for training in the use of any firearm or weapon specified by 6A001 or 6A002 and specially designed components and accessories therefor.

Note 1 *6A014 includes image generating and interactive environment systems for simulators, when specially designed or modified for military use.*

Note 2 *6A014 does not apply to equipment specially designed for training in the use of hunting or sporting weapons.*

Note3 *The term 'Specialised equipment for military training' includes military types of attack trainers, operational flight trainers, radar target trainers, radar target generators, gunnery training devices, anti-submarine warfare trainers, flight simulators (including human-rated centrifuges for pilot/astronaut training), radar trainers, instrument flight trainers, navigation trainers, missile launch trainers, target equipment, drone "aircraft", armament trainers, pilotless "aircraft" trainers, mobile training units and training equipment for ground military operations.*

6A015 Imaging or countermeasure equipment, as follows, specially designed for military use, and specially designed components and accessories therefor:

a. Recorders and image processing equipment;
b. Cameras, photographic equipment and film processing equipment;
c. Image intensifier equipment;
d. Infrared or thermal imaging equipment;
e. Imaging radar sensor equipment;
f. Countermeasure or counter-countermeasure equipment, for the equipment specified by 6A015.a to 6A015.e.

Note *6A015.f includes equipment designed to degrade the operation or effectiveness of military imaging systems or to minimize such degrading effects.*

Note 1 *In 6A015 the term specially designed components includes the following, when specially designed for military use:*

a. Infrared image converter tubes;
b. Image intensifier tubes (other than first generation);
c. Microchannel plates;
d. Low-light-level television camera tubes;
e. Detector arrays (including electronic interconnection or read out systems);
f. Pyroelectric television camera tubes;
g. Cooling systems for imaging systems;
h. Electrically triggered shutters of the photochromic or electro-optical type having a shutter speed of less than 100 µs, except in the case of shutters which are an essential part of a high speed camera;
i. Fibre optic image inverters;
j. Compound semiconductor photocathodes.

Note 2 *6A015 does not apply to "first generation image intensifier tubes" or equipment specially designed to incorporate "first generation image intensifier tubes".*

N.B. For the classification of weapons sights incorporating "first generation image intensifier tubes" see 6A001, 6A002, and 6A005.a.

N.B. See also 8A602.a.2 and 8A602.b.and 8A603.b on the Dual-Use List.

6A016 Forgings, castings and other unfinished products, specially designed for items specified by 6A001, to 6A004, 6A006, 6A009, 6A010, 6A012, or 6A019.

Note *6A016 applies to unfinished products when they are identifiable by material composition, geometry or function.*

6A017 Miscellaneous equipment, materials and "libraries", as follows, and specially designed components therefor:

a. Diving and underwater swimming apparatus, specially designed or modified for military use, as follows:
   1. ISO intermodal containers or demountable vehicle bodies (i.e., swap bodies), specially designed or 'modified' for military use;
   2. Underwater swimming apparatus specially designed for use with the diving apparatus specified in 6A017.a.1;

   N.B. *See also 8A802.q.*

b. Construction equipment specially designed for military use;
c. Fittings, coatings and treatments, for signature suppression, specially designed for military use;
d. Field engineer equipment specially designed for use in a combat zone;
e. "Robots", "robot" controllers and "robot" "end-effectors", having any of the following characteristics:
   1. Specially designed for military use;
   2. Incorporating means of protecting hydraulic lines against externally induced punctures caused by ballistic fragments (e.g, incorporating self-sealing lines) and designed to use hydraulic fluids with flash points higher than 839 K (566°C);
      or
   3. Specially designed or rated for operating in an 'electro-magnetic pulse' (EMP) environment;

      Technical Note
      Electro-magnetic pulse does not refer to unintentional interference caused by electromagnetic radiation from nearby equipment (e.g, machinery, appliances or electronics) or lightning.

f. "Libraries" specially designed or modified for military use with systems, equipment or components, specified by Category 6;
g. Nuclear power generating equipment or propulsion equipment, not specified elsewhere, specially designed for military use and components therefor specially designed or 'modified' for military use;

   Note 6A017.g. *includes "nuclear reactors".*

   N.B *See Commodity Identification Note of SCOMET List.*

h. Equipment and material, coated or treated for signature suppression, specially designed for military use, not specified elsewhere in the Munitions List;
i. Simulators specially designed for military "nuclear reactors";

   N.B *(See Commodity Identification Note of SCOMET list)*

j. Mobile repair shops specially designed or 'modified' to service military equipment;
k. Field generators specially designed or 'modified' for military use;

l. Containers specially designed or 'modified' for military use;

m. Ferries, not specified elsewhere in the Munitions List, bridges and pontoons, specially designed for military use;

n. Test models specially designed for the "development" of items specified by 6A004, 6A006, 6A009, or 6A010;

o. "Laser" protection equipment (e.g., eye or sensor protection) specially designed for military use;

p. "Fuel cells", not specified elsewhere in the Munitions List, specially designed or 'modified' for military use.

Technical Note

1. *(Reserved)*
2. *For the purpose of 6A017, 'modified' means any structural, electrical, mechanical, or other change that provides a non-military item with military capabilities equivalent to an item which is specially designed for military use.*

6A018 'Production' equipment, environmental test facilities and components, as follows:

a. Equipment specially designed or modified for the 'production' of items specified by the Munitions List, and specially designed components therefor;

b. Environmental test facilities specially designed for the certification, qualification or testing of items specified by the Munitions List, and specially designed equipment therefor, not specified elsewhere.

Technical Note

For the purposes of 6A018 the term 'production' includes design, examination, manufacture, testing and checking.

Note *6A018.a and 6A018.b include the following equipment:*

a. Continuous nitrators;

b. Centrifugal testing apparatus or equipment, having any of the following:

1. Driven by a motor or motors having a total rated horsepower of more than 298 kW (400 hp);

2. Capable of carrying a payload of 113 kg or more; or

3. Capable of exerting a centrifugal acceleration of 8 g or more on a payload of 91 kg or more;

c. Dehydration presses;

d. Screw extruders specially designed or modified for military "explosive" extrusion;

e. Cutting machines for the sizing of extruded "propellants";

f. Sweetie barrels (tumblers) 1.85 m or more in diameter and having over 227 kg product capacity;

g. Continuous mixers for solid "propellants";

h. Fluid energy mills for grinding or milling the ingredients of military "explosives";

i. Equipment to achieve both sphericity and uniform particle size in metal powder listed in 6A008.c.8;

j. Convection current converters for the conversion of materials listed in 6A008.c.3.

6A019 Directed Energy Weapon (DEW) systems, related or countermeasure equipment and test models, as follows, and specially designed components therefor:

a. "Laser" systems specially designed for destruction or effecting mission-abort of a target;

b. Particle beam systems capable of destruction or effecting mission-abort of a target;

c. High power Radio-Frequency (RF) systems capable of destruction or effecting mission-abort of a target;

d. Equipment specially designed for the detection or identification of, or defence against, systems specified by 6A019.a to 6A019.c;

e. Physical test models for the systems, equipment and components, specified by 6A019.

f. "Laser" systems specially designed to cause permanent blindness to unenhanced vision, i.e, to the naked eye or to the eye with corrective eyesight devices.

Note 1 *DEW systems specified by 6A019 include systems whose capability is derived from the controlled application of:*

a. "Lasers" of sufficient power to effect destruction similar to the manner of conventional ammunition;

b. Particle accelerators which project a charged or neutral particle beam with destructive power;

c. High pulsed power or high average power radio frequency beam transmitters, which produce fields sufficiently intense to disable electronic circuitry at a distant target.

Note 2 *6A019 includes the following when specially designed for DEW systems:*

a. Prime power generation, energy storage, switching, power conditioning or fuel-handling equipment;

b. Target acquisition or tracking systems;

c. Systems capable of assessing target damage, destruction or mission-abort;

d. Beam-handling, propagation or pointing equipment;

e. Equipment with rapid beam slew capability for rapid multiple target operations;

f. Adaptive optics and phase conjugators;

g. Current injectors for negative hydrogen ion beams;

h. "Space-qualified" accelerator components;

i. Negative ion beam funnelling equipment;

j. Equipment for controlling and slewing a high energy ion beam;

k. "Space-qualified" foils for neutralising negative hydrogen isotope beams.

6A020 Cryogenic and "superconductive" equipment, as follows, and specially designed components and accessories therefor:

a. Equipment specially designed or configured to be installed in a vehicle for military ground, marine, airborne or space applications, capable of operating while in motion and of producing or maintaining temperatures below 103 K (- 170°C);

Note *6A020.a includes mobile systems incorporating or employing accessories or components manufactured from non-metallic or non-electrical conductive materials, such as plastics or epoxy- impregnated materials.*

b. "Superconductive" electrical equipment (rotating machinery or transformers) specially designed or configured to be installed in a vehicle for military ground, marine, airborne or space applications and capable of operating while in motion".

Note *6A020.b does not apply to direct-current hybrid homopolar generators that have single-pole normal metal armatures which rotate in a magnetic field produced by superconducting windings, provided those windings are the only superconducting components in the generator.*

6A021 "Software" as follows:

a. "Software" specially designed or modified for any of the following:

1. "Development", "production", operation or maintenance of equipment specified by Category 6;
2. "Development" or "production" of materials specified by Category 6; or

3. "Development", "production", operation or maintenance of "software" specified by Category 6.

b. Specific "software", other than that specified by 6A021.a as follows:

1. "Software" specially designed for military use and specially designed for modelling, simulating or evaluating military weapon systems;
2. "Software" specially designed for military use and specially designed for modelling or simulating military operational scenarios;
3. "Software" for determining the effects of conventional, nuclear, chemical or biological weapons;
4. "Software" specially designed for military use and specially designed for Command, Communications, Control and Intelligence (C^3I) or Command, Communications, Control, Computer and Intelligence (C^4I) applications;
5. "Software" specially designed or modified for the conduct of military offensive cyber operations;

Note 1 *6A021.b.5. includes "software" designed to destroy, damage, degrade or disrupt systems, equipment or "software", specified by Category 6, cyber reconnaissance and cyber command and control "software", therefor.*

Note 2 *6A021.b.5. does not apply to "vulnerability disclosure" or to "cyber incident response", limited to non-military defensive cybersecurity readiness or response.*

c. "Software", not specified by 6A021.a. or 6A021.b., specially designed or modified to enable equipment not specified by Category 6 to perform the military functions of equipment specified by Category 6.

N.B. *See systems, equipment or components specified by Category 6 for general purpose "digital computers" with installed "software" specified by 6A021.c.*

6A022 "Technology" as follows:

a. "Technology", other than specified in 6A022.b which is "required" for the "development", "production", operation, installation, maintenance (checking), repair, overhaul or refurbishing of items specified in Category 6;

b. "Technology" as follows:

1. "Technology" "required" for the design of, the assembly of components into, and the operation, maintenance and repair of, complete production installations for items specified by *Category 6*, even if the components of such production installations are not specified;
2. "Technology" "required" for the "development" and "production" of small arms, even if used to produce reproductions of antique small arms;

3. *(Reserved)*
4. *(Reserved)*
5. "Technology" "required" exclusively for the incorporation of "biocatalysts", specified by 6A007.i.1 into military carrier substances or military material.

Note 1 *"Technology" "required" for the "development", "production", operation, installation, maintenance (checking), repair, overhaul or refurbishing of items specified by Category 6 remains under control even when applicable to any item not specified by Category 6.*

Note 2 *6A022 does not apply to:*

a. *"Technology" that is the minimum necessary for the installation, operation, maintenance (checking) or repair, of those items which are not controlled or whose export has been authorised;*
b. *"Technology" that is "in the public domain", "basic scientific research" or the minimum necessary information for patent applications.*
c. *"Technology" for magnetic induction for continuous propulsion of civil transport devices.*

Munitions List Item requiring EUC from the Government of the Importing Country

1. All items covered by 6A001 of Appendix-I except accessories and components
2. All items covered by 6A002 of Appendix-I except accessories and components
3. All items covered by 6A003 of Appendix-I except components
4. All items covered by 6A004 of Appendix-I except accessories and components
5. All items covered by 6A006 of Appendix-I except accessories and components
6. All items covered by 6A007 (a, b, c, d & e) of Appendix-I
7. All items covered by 6A008(a) of Appendix-I
8. All items covered by 6A009(a) of Appendix-I except accessories and components
9. All items covered by 6A010(a&c) of Appendix-I except accessories and components
10. All items covered by 6A011 of Appendix-I except accessories and components
11. All items covered by 6A012 of Appendix-I except components
12. All items covered by 6A014 of Appendix-I except accessories and components
13. All items covered by 6A015 of Appendix-I except accessories and components
14. All items covered by 6A019 of Appendix-I except accessories and components
15. All items covered by 6A020 of Appendix-I except accessories and components
16. Software (6A021) especially designed or modified for military use or for the development, production or use of equipment, materials listed in this Appendix.
17. Technology (6A022) required for the development, production, operation, installation, maintenance, repair, overhaul or refurbishing of items specified in this Appendix.

Appendix III

LIST OF NON-LETHAL ITEMS

{PARA 3.2.3(iv)}

1. Hard Armour Plate
2. Ballistic Plate of all Kinds
3. Ballistic Shield
4. Body Armour/BPJ
5. Helmets
6. Soft Armour Panel
7. Simulators
8. Safety Boots
9. Demining Suits
10. Armoured Wheeled Vehicles, Non- Weaponized or with no weapon mounts (these are only PROTECTED)
11. Bullet Proof Vehicles for VIP protected mobility
12. Accessories like Gasket, Diplexer, Power Combiner
13. Telemetry Devices
14. Protective Equipment
    - Riot Shields
    - Bullet Proof Jacket/Vest
15. Electro Optical Equipment
    - Imaging or countermeasure equipment, as follows, specially designed for military use, and specially designed components and accessories therefore;
    - Recorders and Image Processing Equipment
    - Cameras, photographic equipment and film processing equipment;
    - Image intensifier equipment; Infrared or thermal imaging equipment;
    - Imaging radar sensor equipment;
    - Countermeasure or counter-countermeasure equipment
    - Electro Optics Equipment/Night vision devices
    - Thermal Imaging Equipment

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(On the Letter Head of Issuing Authority)

Appendix – IV (a)

END USE-CUM- END USER CERTIFICATE (EUC)

Indian Exporter
(Name, Address, Registered Office, Telephone/ Fax Number):

Indian Manufacturer
(Name, Address, Registered Office, Telephone/ Fax Number):

Importer / Buyer/ Intermediary (s)
(Name, Address, Registered Office, Telephone/ Fax Number, email ID):

End User
(Name, Address, Registered Office, Telephone/ Fax Number, email ID):

Contract/ Purchase Order Number with Date

Mode and Port of Shipment

S.No.	Description of the Items Exported	Classification in Indian Export Regulations	Quantity	Total Price

1. It is hereby certified that the item(s) imported will be used by the undersigned for the following purpose(s) only.....

2. It is hereby declared / certified that:

a) The item(s) imported will not be used for purposes other than those declared in EUC and that such use shall not be changed nor the items modified or replicated without the prior consent of the Government of India.

b) That the items will not be subsequently transferred (re-exported) without the prior authorization of the original exporting Government.

c) The item(s) will not be diverted, sold or transferred to any third party whatsoever, except as indicated in EUC.

d) If required, verification / certification that the possession of the item(s) has occurred would be provided.

e) The item(s) imported by us shall not be used for any purpose that relates to development of weapons of mass destruction and their delivery system.

Name & Signature of End User .....
(with English Translation)
Designation.....
Ministry of.....
Government of .....
Official Stamp .....
(With English Translation)
Contact: Email ID & Telephone No.....

Date: .....
Place.....

(On the Letter Head of Issuing Authority)

Appendix – IV (b)

END USE-CUM- END USER CERTIFICATE (EUC)

Indian Exporter
(Name, Address, Registered Office, Telephone/ Fax Number):

Indian Manufacturer
(Name, Address, Registered Office, Telephone/ Fax Number):

Importer / Buyer/ Intermediary (s)
(Name, Address, Registered Office, Telephone/ Fax Number, email ID):

End User
(Name, Address, Registered Office, Telephone/ Fax Number, email ID):

Contract/ Purchase Order Number with Date

Mode and Port of Shipment

S.No.	Description of the Items Exported	Classification in Indian Export Regulations	Quantity	Total Price

1. It is hereby certified that the item(s) imported will be used by the undersigned for the following purpose(s) only.....

2. It is hereby declared / certified that:

(a) The item(s) imported will not be used for purposes other than those declared in EUC and that such use shall not be changed nor the items modified or replicated without the prior consent of the Government of India.

(b) (i) That the parts/ components will not be subsequently transferred (re-exported) without the prior authorization of the original exporting Government

(ii) The integrated / processed product out of the parts/ components exported by Indian exporter shall not be re-exported/ diverted by the foreign OEM/ buyer without following the export control system of the Government of that foreign OEM/buyer.

(c) The item(s) will not be diverted, sold or transferred to any third party whatsoever, except as indicated in EUC.

(d) If required, verification / certification that the possession of the item(s) has occurred would be provided.

(e) The item(s) imported by us shall not be used for any purpose that relates to development of weapons of mass destruction and their delivery system.

Name & Signature of End User .....
(with English Translation)
Designation.....
Ministry of.....
Government of .....
Official Stamp .....
(With English Translation)
Contact: Email ID & Telephone No.....

Date: .....
Place.....

(On the Letter Head of Issuing Authority)

Appendix – IV (c)

END USE-CUM- END USER CERTIFICATE (EUC)

Indian Exporter (Individuals/ organizations/ institutions)
(Name, Address, Registered Office, Telephone/ Fax Number):

Indian sponsoring (organizations/ institutions)
(Name, Address, Registered Office, Telephone/ Fax Number):

Importer /Buyer/ Intermediary (s) (Individuals/ organizations/ institutions)
(Name, Address, Registered Office, Telephone/ Fax Number, email ID):

End User
(Name, Address, Registered Office, Telephone/ Fax Number, email ID):

Contract/ Purchase Order Number with Date

Mode of Export

S.No.	Description of Technology / know-how to be Exported/ shared*	Classification in Indian Export Regulations	Total Price

*Details/ Complete level of Technology/ Know-How to be exported/ shared is to be specified. If required detail write-up in additional sheet along with the relevant supporting documents need to be furnished along with the application.

1. It is hereby certified that the technology/ Know-how imported will be used by the undersigned for the following purpose(s) only.....

2. It is hereby declared / certified that:

(a) The technology/ Know-how imported will not be used for purposes other than those declared in EUC.

(b) The technology/ Know-how imported will not be subsequently transferred (re-exported) without the prior authorization of the original exporting Government.

(c) The technology/ Know-how will not be diverted, sold or transferred to any third party whatsoever, except as indicated in EUC.

(d) If required, verification / certification that the possession of the technology/ Know-how has occurred would be provided.

(e) The technology/ Know-how imported by us shall not be used for any purpose that relates to development of weapons of mass destruction and their delivery system.

Name & Signature of End User .....
(with English Translation)
Designation.....
Ministry of.....
Government of .....
Official Stamp .....
(With English Translation)
Contact: Email ID & Telephone No.....

Date: .....
Place.....

(On the Letter Head of Issuing Authority)

Appendix - V(a)

Export of items as samples for the purpose of participation in Tender/ Exhibition

Undertaking

This is to certify that the following items exported to _____, as samples for the participation in Tender/ Exhibition, shall be imported back within a period of 6 months from the date of export and the proof of such import shall be provided within 2 months from the date of import.

Sl No.	Item(s)	SCOMET Category	Quantity

2. It is also certified that there will not be any kind of commercial transactions (selling, buying, renting, leasing etc.) and any exchange/ disclosure of information, which could lead to transfer of technology.

Name & designation of the authorized signatory of Exporter
Stamp.....
Date .....

(On the Letter Head of Issuing Authority)

Appendix V (b)

Export of Items for Demonstration, Testing and Evaluation

Undertaking

This is to certify that the following Munitions List items exported for Demonstration/Testing/Evaluation will be imported back within a period of 12 months from the date of export and the proof of such import shall be submitted within 2 months of the date of import.

S.No.	Item	SCOMET Cat.	Quantity

2. If the items are consumed or destroyed during demonstration, testing and evaluation, proof of the same from the testing agency will be submitted within 3 months of the date of destruction/consumption.

3. Wherever it is not feasible for the item(s) to be brought back, (i) Destruction certificate stating reasons why the original items cannot be imported back, or (ii) an EUC from the End User on their end use and other details, that the item(s) would not be diverted, sold or transferred to any third party, will be furnished.

4. It is also certified that there will not be any kind of commercial transaction (selling, buying, renting, leasing, etc.) and any exchange/ disclosure of any information, which could lead to transfer of Technology.

Name & designation of the authorized signatory of Exporter
Stamp.....
Date .....

(On the Letter Head of Issuing Authority)

Appendix V (c)

Export of items as SAMPLES for the purpose of Business Development

Undertaking from Buyer/ Consignee / End User on its Official letter head

I/ We ..... (Name & Designation) having office/ registered office at ..... in ..... (Name of country), registered with the Department of ..... Government /Republic of ..... do hereby undertake that I / We require the following items as SAMPLES for Business Development, from ..... (Name of the Exporter):

S.No.	Name of the Item	SCOMET category	Quantity	Value

I/ We hereby undertake:

i. That the above items/ samples will not be sold or diverted to any third party without prior consent from the Government of India.

ii. The items/ samples shall not be modified or replicated without the prior consent of the Government of India.

iii. If required, inspection of the items/ samples by the authorized representatives of Government of India would be allowed, as and when deemed necessary.

iv. The items / samples will not be used for any purpose that relates to development of weapons of mass destruction and their delivery system.

v. The items/ samples imported for the purpose of business development shall be exported back and the proof of such export shall be provided within 2 months from the date of export.

vi. There will not be any exchange / disclosure of information, which could lead to transfer of technology.

Name & designation of the authorized signatory.....

Place.....

Date.....

Stamp.....

(On the Letter Head of Issuing Authority)

APPENDIX V (d)

Export of SCOMET items to FOEM/ End User, after undertaking Testing or Maintenance, Repair and Overhaul (MRO) Activities

Undertaking

This is to certify that the following items were imported by us for undertaking Testing/MRO activities and need to be returned to _____ (Name of OEM/ Entity from which it was originally imported).

Sl. No.	Items(s)	SCOMET Category	Quantity

2. It is also certified:

(i) That the above mentioned items were imported against license issued by _____ or were free to import and while exporting back to OEM/Buyer/End User, Export Authorisation is required.

(ii) That item (s) are being exported to the entity from which it was imported i.e. to OEM (including agency authorized by OEM (whichever is applicable)) after undertaking Testing/MRO activities;

(iii) That there has been no change to the original characteristics/specifications of the item(s) after import apart from those agreed upon regarding Testing/MRO activities;

(iv) That the testing, maintenance, repair and overhaul is allowed under the conditions of import or contractual agreement;

(v) That the items imported for Testing/MRO activities shall be exported within six months of its import;

(vi) That, in case time beyond six month is required for Testing/MRO activities of imported item(s) before re-export, permission from DDP shall be obtained in advance indicating detailed justification for seeking extension of time.

Name & Designation of the authorized signatory

Stamp .....

Date .....

** Strike off whichever is not applicable*

(To be submitted on the letter head of the company)

APPENDIX V(e)

Export of SCOMET items after undertaking repair/ rework or for replacement of rejected quantity covered under Para 3.2.3(vi) of SOP.

Undertaking

This is to certify that the following items were exported by us against E.A. No. _____ dated _____ were returned by the end user for repair/ rework or replacement. These items are now required to be returned to _____ (Name of OEM/ Entity from which it was originally imported) after repair/rework/for replacement of rejected quantity.

Sl. No.	Item(s)	SCOMET Category	Quantity	Purpose of Export

2. It is also certified that above mentioned items were imported against license issued by _____ or are free to import.

3. There has been no change in specification of the items after import.

Name & Designation of the authorized signatory

Stamp.....

Date.....

** Strike off whichever is not applicable*

(To be submitted on the letter head of the company)

APPENDIX V (f)

Export of SCOMET items for repair/replacement/return (Para 3.2.3 vii of SOP)

Undertaking

This is to certify that the following items were imported by.....(Name of the importer) from.....(Name of OEM including agency/ agencies authorized by OEM) for use by the company/ for participation in Tender/RFP/RFQ/NIT on _____ (DD/MM/YYYY).

The item(s) is/are required to be exported to _____ (name of OEM including agency/ agencies authorized by OEM) for repair/ replacement on being defective/unsatisfactory. **OR**

The items are required to be returned after participation in RFP/Tender/RFQ/NIT

Sl. No.	Items(s)	SCOMET Category	Quantity

2. It is also certified:

(i) That the above mentioned items were imported against license issued by _____ (Name of License Issuing Authority) or was free to import but is restricted for export.

(ii) That there has been no change to the original characteristics /specifications of the item(s) after import;

(iii) That the replacement or repair of defective / damaged (whichever is applicable) is allowed under the conditions of import or contractual agreement;

(iv) That the defective/damaged item (s) after repair / replacement shall be brought back to India within 180 days of its export;

(vi) That, in case the defective / damaged item (s) cannot be brought back due to any reason (beyond repair, testing failure analysis etc.), evidence of the same shall be submitted to DDP.

(vii) That, in case time beyond 180 days is required for repair of imported defective / damaged item(s) before re-import, permission from DDP shall be obtained in advance indicating detailed justification for seeking extension of time.

Name & Designation of the authorized signatory

Stamp .....

Date .....

**Strike off whichever is not applicable*