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POLICE FORCE**
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Update on Explosive Precursors (EPs) Regulations under the Guns, Explosives & Weapons Control Act (GEWCA)

SCIC-Joint Agencies Dialogue 2024

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11 October 2024

Scope

➤ Regulatory Framework for Explosive Precursors (EPs)
under GEWCA

Regulatory Framework for Explosive Precursors (EPs) under GEWCA

Operationalisation of GEWCA

- GEWCA is expected to be operationalised in **Dec 2024 / Jan 2025**
- The following legislations will be repealed when GEWCA is operationalised:
 - Arms and Explosives Act (AEA)
 - Dangerous Fireworks Act (DFA)
 - Explosives Substance Act (ESA)
- Existing licensees under AEA will be allowed to continue their operations until their licences expire
 - For licences renewed before operational date is announced, licences will be issued under AEA (2 year licence tenure)
 - If renewal is after operationalisation date is announced, AEA licences will be renewed under GEWCA (3 year licence tenure)

Regulated Activities under GEWCA

Licence	Guns	Explosives	Explosive Precursors (EPs)*	Noxious Substances	Weapons
Manufacture	✓	✓	✓	✓	✓
Supply	✓	✓	✓	✓	✓
Possess	✓	✓	✓	✓	✓
Store	✓	✓	✓	-	-
Repair	✓	-	-	-	✓
Dispose	✓	✓	✓	✓	✓
Range	✓	-	-	-	-
Import/Export	✓	✓	✓	✓	✓
Conveyance	✓	✓	✓	✓	✓
Rock Blasting	-	✓	-	-	-
Fireworks Display	-	✓	-	-	-

- ✓ Activity exists under current AEA and regulations
- ✓ Activity is currently regulated but subsumed under a broad activity. GEWCA will narrow the activity further to be licensed as a specific and separate activity
- (-) Not applicable

Application Requirement

- Submission of Application through the GoBusiness. Documents required include:
 - Information of the EP (SDS, product specifications)
 - Safety Management Plans (handling and record keeping procedures, staff training, ERP, TERP, etc)
 - Security Management Plans (Floor plans, controlled access points, CCTV cameras placement, Intrusion detection)

- EP Storage exceeding 100Tons will need to meet the enhanced Security Requirements under the SSM PSWG Security Checklist.

Reduction in Applications

- GEWCA provides for bundled licences.
- A business which undertakes various related activities (manufacture, supply, storage, etc.), may make a single application for all requisite licences instead of applying for separate licences for each activity respectively.
- Longer Licence Tenure
- Fees are calculated based on Cost Recovery basis
- Fees for bundled licences will be lower than separate licences, so as to save time and cost for the industry.

EP Licence Fees

Licence Activities	Licence Fees
Possession or Use	\$300
Supply (Deal in)	\$300
Store	\$480
Disposal	\$480
Manufacture	\$620
Transport	\$300
Import / Export	\$40 per consignment
Ad Hoc Transport licence	\$40 per consignment

Bundled Licence Activities	Bundled Licence Fees	Fee Savings
Store with Use	\$620	\$160
Store with Supply and Use	\$740	\$340
Store, Supply, Use and Dispose	\$880	\$680
Manufacture, Store, Supply, Use and Dispose	\$960	\$1220
Import / Export with Transport	\$40 per consignment	\$40

***Proposed fees to be confirmed**

Class Licence

- Class licences (& exemptions) allow the Police to close regulatory gaps and regularise the existing requirements in a way that does not increase regulatory burden and financial cost to the industry.

- EP Transportation will be class licensed if:
 - The conveyance is for any regulated activity authorised by or under the EP licence held by the EP licensee
 - Contracted transporter transporting on behalf of an EP licensee

- Conditions for Transport Class Licence:
 - EP must be packed and conveyed in suitable conveyance (e.g cannot use public transport, proper labelling)
 - EP cannot be left unattended
 - Conveyance should travel directly to its destination without unnecessary detour
 - Report to Police for any loss, theft of EP or any security incident

New Regulations for Desensitised Explosives under GEWCA

Regulation of Desensitized Explosives

- Desensitised Explosives (DEs) are explosive substances (in solid or liquid states) which explosive properties have been suppressed by methods such as wetting with water or alcohols, or dilution with other substances
- According to the United Nations Recommendations on the Transport of Dangerous Goods (UNRTDG), DEs belong to Division 4.1 (solid) or Class 3 Flammable Liquids (liquid)
- The UNRTDG has a listing of DEs with specific UN numbers (40)

Regulation of Desensitized Explosives

- While DEs may have lower explosive risk in their suppressed form, they can be easily returned to their original explosive state
- There is therefore a risk of DEs being misappropriated to cause damage to lives/properties
- All DEs will be consolidated and regulated as explosives under the new GEWCA
- DEs will no longer be regulated by SCDF as flammables under the Fire Safety Act

Key Changes for Industry

- When the GEWCA operationalised, existing DE licences under SCDF will be allowed to continue operating for one year or until their SCDF licence expire, whichever is earlier.
- DE licensees can apply for Police Licence for DE within one year of operationalization:-
 - If their SCDF licence is still valid, the new licence issued under Police will have the fees waived
- Similar to EP, supporting documents such as safety and security management plans are required for the processing of licence applications for DE

Expanded list of DEs regulated

S/N	UN Number	DE Name	Solid / Liquid DE
1	UN1204	Nitroglycerin,solution in alcohol , with not more than 1 percent nitroglycerin	Liquid DE
2	UN1310	Ammonium picrate, wetted with not less than 10 percent water, by mass	Solid DE
3	UN1320	Dinitrophenol, wetted with not less than 15 percent water, by mass	Solid DE
4	UN1321	Dinitrophenolates, wetted with not less than 15 percent water, by mass	Solid DE
5	UN1322	Dinitroresorcinol, wetted with not less than 15 percent water, by mass	Solid DE
6	UN1336	Nitroguanidine, wetted or Picrite, wetted with not less than 20 percent water, by mass	Solid DE
7	UN1337	Nitrostarch, wetted with not less than 20 percent water, by mass	Solid DE
8	UN1344	Trinitrophenol, wetted with not less than 30 percent water, by mass	Solid DE
9	UN1347	Silver picrate, wetted with not less than 30 percent water, by mass	Solid DE
10	UN1348	Sodium dinitro-o-cresolate, wetted with not less than 15 percent water, by mass	Solid DE
11	UN1349	Sodium picramate, wetted with not less than 20 percent water, by mass	Solid DE
12	UN1354	Trinitrobenzene, wetted with not less than 30 percent water, by mass	Solid DE
13	UN1355	Trinitrobenzoic acid, wetted with not less than 30 percent water, by mass	Solid DE
14	UN1356	Trinitrotoluene wetted with not less than 30 percent water, by mass	Solid DE
15	UN1357	Urea nitrate, wetted with not less than 20 percent water, by mass	Solid DE
16	UN1517	ZIRCONIUM PICRAMATE, WETTED with not less than 20% water, by mass	Solid DE
17	UN1571	BARIUM AZIDE, WETTED with not less than 50% water, by mass	Solid DE
18	UN2059	NITROCELLULOSE SOLUTION, FLAMMABLE with not more than 12.6% nitrogen, by dry mass, and not more than 55% nitrocellulose	Liquid DE
19	UN2555	NITROCELLULOSE WITH WATER (not less than 25% water, by mass)	Solid DE
20	UN2556	NITROCELLULOSE WITH ALCOHOL (not less than 25% alcohol, by mass, and not more than 12.6% nitrogen, by dry mass)	Solid DE

Expanded list of DEs regulated (Continued)

S/N	UN Number	DE Name	Solid / Liquid DE
21	UN2557	NITROCELLULOSE, with not more than 12.6% nitrogen, by dry mass, MIXTURE WITH PLASTICIZER, WITH PIGMENT	Solid DE
22	UN2852	DIPICRYL SULPHIDE, WETTED with not less than 10% water, by mass	Solid DE
23	UN2907	ISOSORBIDE DINITRATE MIXTURE with not less than 60% lactose, mannose, starch or calcium hydrogen phosphate	Solid DE
24	UN3064	NITROGLYCERIN, SOLUTION IN ALCOHOL with more than 1% but not more than 5% nitroglycerin	Liquid DE
25	UN3317	2-AMINO-4,6-DINITROPHENOL, WETTED with not less than 20% water, by mass	Solid DE
26	UN3319	NITROGLYCERIN MIXTURE, DESENSITIZED, SOLID, N.O.S. with more than 2% but not more than 10% nitroglycerin, by mass	Solid DE
27	UN3343	NITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, FLAMMABLE, N.O.S. with not more than 30% nitroglycerin, by mass	Liquid DE
28	UN3344	PENTAERYTHRITE TETRANITRATE MIXTURE, DESENSITIZED, SOLID, N.O.S. with more than 10% but not more than 20% PETN, by mass	Solid DE
29	UN3357	NITROGLYCERIN MIXTURE, DESENSITIZED, LIQUID, N.O.S. with not more than 30% nitroglycerin, by mass	Liquid DE
30	UN3364	TRINITROPHENOL WETTED with not less than 10% water, by mass	Solid DE
31	UN3365	TRINITROCHLOROBENZENE WETTED with not less than 10% water, by mass	Solid DE
32	UN3366	TRINITROTOLUENE, WETTED with not less than 10% water, by mass	Solid DE
33	UN3367	TRINITROBENZENE, WETTED with not less than 10% water, by mass	Solid DE
34	UN3368	TRINITROBENZOIC ACID, WETTED with not less than 10% water, by mass	Solid DE
35	UN3369	SODIUM DINITRO- <i>o</i> -CRESOLATE, WETTED with not less than 10% water, by mass	Solid DE
36	UN3370	UREA NITRATE, WETTED with not less than 10% water, by mass	Solid DE
37	UN3376	4-NITROPHENYL-HYDRAZINE, with not less than 30% water, by mass	Solid DE
38	UN3379	DESENSITIZED EXPLOSIVE, LIQUID, N.O.S.	Liquid DE
39	UN3380	DESENSITIZED EXPLOSIVE, SOLID, N.O.S.	Solid DE
40	UN3474	1-HYDROXYBENZOTRIAZOLE MONOHYDRATE	Solid DE

Sharing on Common Lapses

Common Breaches

- Failing to update inventory records
- Exceeding quantities permitted in Licence
- Possession of unlicensed EP
- Security measures not maintained
- Shifting of storage without approval
- Exporting EP before licence is issued

Relevant Website

Information on the Operationalisation of the GEWCA will be published on PLRD's Website

➤ Overview of Gun Explosive Weapon Licences

- <https://www.police.gov.sg/e-Services/Police-Licences/Overview-of-Gun-Explosive-Weapon-Licences>

➤ Information on Gun Licence Matters

- <https://www.police.gov.sg/e-Services/Police-Licences/Overview-of-Gun-Explosive-Weapon-Licences/Information-on-Gun-Licence-Matters>

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- <https://www.police.gov.sg/e-Services/Police-Licences/Overview-of-Gun-Explosive-Weapon-Licences/Information-on-Explosive-Licence-Matters>

➤ Information on Explosive Precursor Licence Matters

- <https://www.police.gov.sg/e-Services/Police-Licences/Overview-of-Gun-Explosive-Weapon-Licences/Information-on-Explosive-Precursor-Licence-Matters>

➤ Information on Weapon and Noxious Substance Licence Matters

- <https://www.police.gov.sg/e-Services/Police-Licences/Overview-of-Gun-Explosive-Weapon-Licences/Information-on-Weapon-and-Noxious-Substance-Licence-Matters>

➤ For feedback or enquiries, please email to: SPF_PLRD_AED@spf.gov.sg



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Thank You