



EU PFAS restrictions

Process and relation between PFHxA, PFAS in firefighting foams, Universal PFAS and other restrictions

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Content

1. Stockholm Convention, POP regulation
2. REACH restriction
3. Common understanding paper
4. REACH SVHC
5. Need for grouping

*Disclaimer: several restriction dossiers are under development,
the Commission cannot pre-empt on the outcome of on-going discussions*

Stockholm Convention - process

1. Proposal for listing a new chemical

Any party of the Convention, proposal should contain Annex D information

2. Apply screening criteria

Committee examines proposal, Secretariat invites Parties and observers to provide Annex E information

3. Develop a risk profile

Committee develops a risk profile and evaluates, Secretariat invites Parties and observers to provide Annex F information

4. Develop a risk management evaluation

Committee develops a risk management evaluation and recommends to COP if the chemicals should be listed

5. List the chemical in Annex A, B, and/or C

COP decides on listing

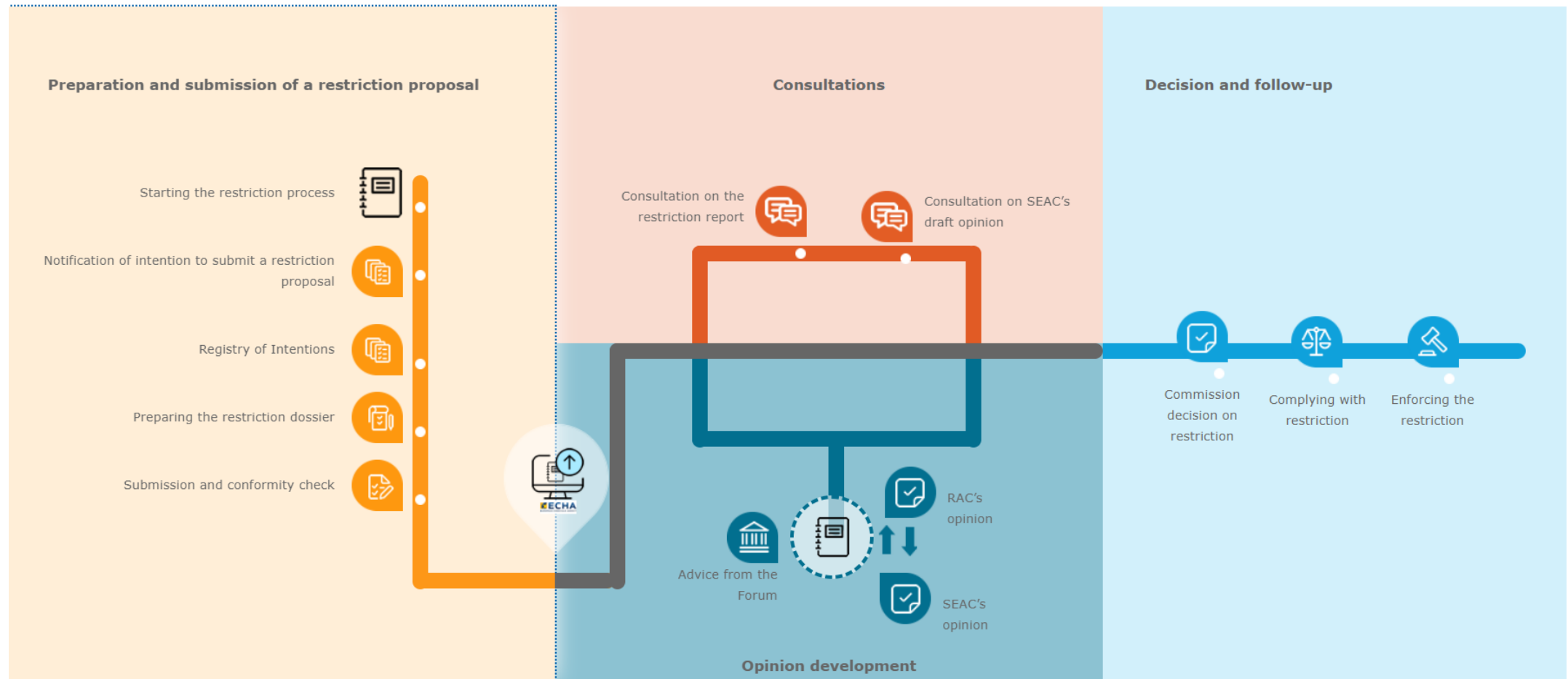
[Stockholm Convention - Home page \(pops.int\)](https://pops.int)

Stockholm Convention – PFAS

Global ban on Persistent Organic Pollutants (POPs),
in Europe implemented by the POP regulation

- Chemicals list in Annex A (elimination)
 - PFOA
 - PFHxS (*EU implementation on-going*)
- Chemicals list in Annex B (restriction)
 - PFOS
- Chemicals proposed for listing
 - Long chain PFCAs

REACH restriction - process



[Restriction process - ECHA \(europea.eu\)](https://europea.eu)

REACH restriction - PFAS

Annex XVII of REACH

- C9-C14 PFCAs (entry 68)
- TDFAs¹ (entry 73)
- PFHxS, *RAC-SEAC opinion published 2020 → POP regulation*
- PFHxA, *RAC-SEAC opinion published 2022*
- PFAS in firefighting foams, *discussed by RAC-SEAC*
- Universal PFAS, *in preparation*

¹ Trideca-fluorooctyl silanetriol

Common understanding paper (2014)

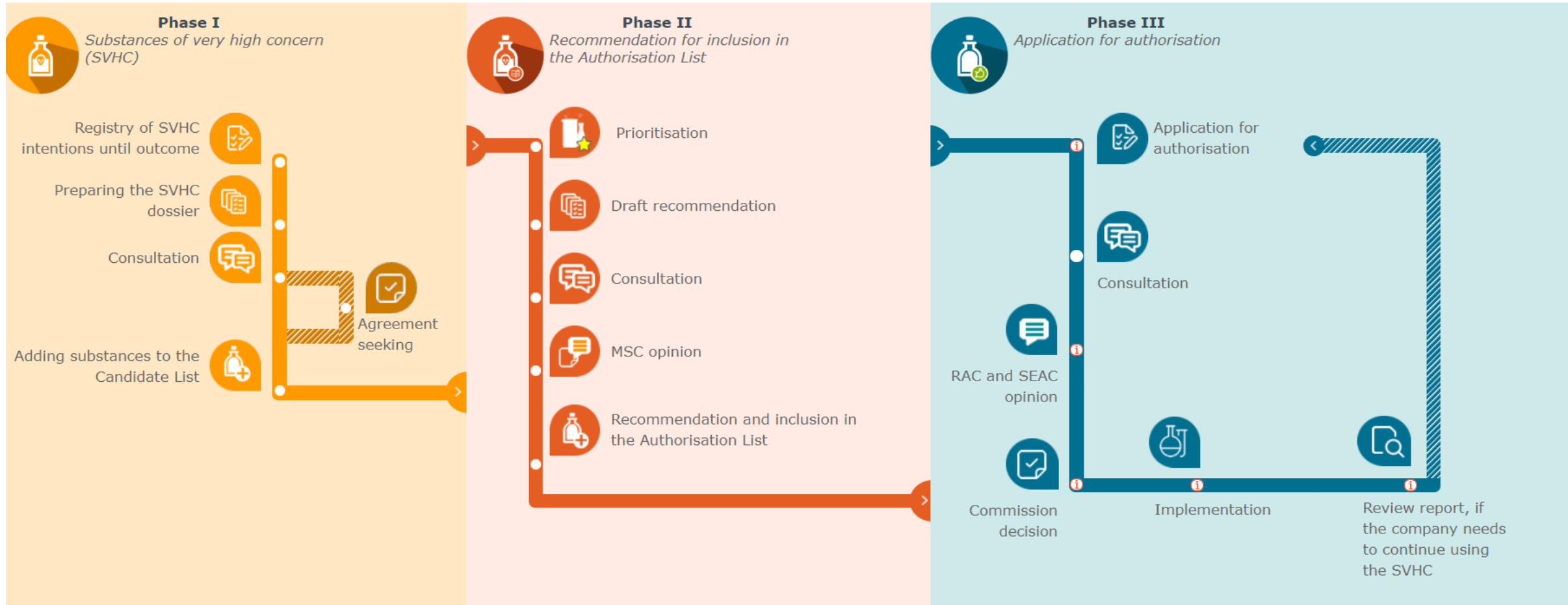
REACH and the Stockholm Convention as well as the UNECE POP Protocol, a common understanding

[Relationship with other legislation \(europa.eu\)](http://europa.eu)

Most important:

To avoid double regulation; no REACH restriction entry if the substance is regulated through the POP regulation, timing issues.

REACH SVHC - process



[Authorisation process - ECHA \(europa.eu\)](https://echa.europa.eu)

REACH SVHC - PFAS

PFASs identified as substances of very high concern (SVHC)(art. 59)

Substance	EC no	CAS no	Concern
HFPO-DA (GenX)	-	-	ELoC having probable serious effects to human health and environment (Article 57(f) - human health)
PFBS (C4)	-	-	ELoC having probable serious effects to human health and environment (Article 57(f) - human health)
PFHxS (C6)	-	-	vPvB (Article 57e)
PFHpA (C7)	203-615-4		<i>Under discussion</i>
PFOA (C8)	206-397-9	335-67-1	Toxic for reproduction (Article 57c) PBT (Article 57d)
PFNA (C9)	-	-	Toxic for reproduction (Article 57c) PBT (Article 57d)
PFDA (C10)	206-400-3	335-76-2	Toxic for reproduction (Article 57c) PBT (Article 57d)
PFUnDA (C11)	218-165-4	2058-94-8	vPvB (Article 57e)
PFDoDA (C12)	206-203-2	307-55-1	vPvB (Article 57e)
PFTTrDA (C13)	276-745-2	72629-94-8	vPvB (Article 57e)
PFTeDA (C14)	206-803-4	376-06-7	vPvB (Article 57e)

Need for grouping

Regrettable substitution

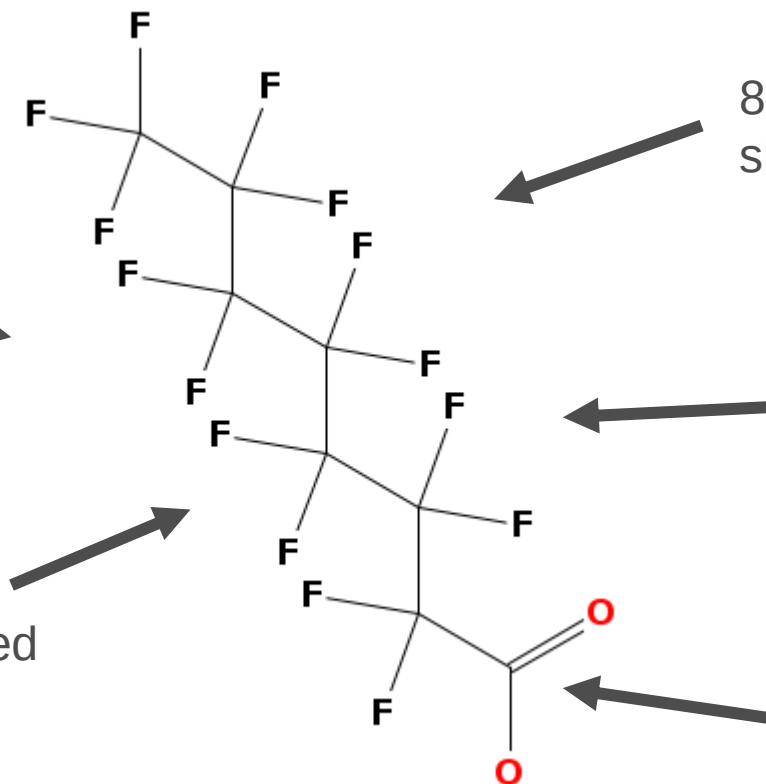
Linear chain: replaced
by branched chains

8 C atoms, replaced by
shorter or longer chains

etc.

Functional ether group (-O-) added

C or S atom,
replaced by P



PFAS groups (OECD)



Universal PFAS

- Dossier will be submitted January 2023 by DE, DK, NL, NO, SE
- Broad chemical scope (OECD 2021), including F-gases and fluoropolymers
- Common concern: extreme persistence
- According to the current REACH legislation
- Provide your input in the consultation phase

[restriction is under development]

REACH revision – main elements

Lack of information on certain hazards

- Increase **information requirements** (ED, low tonnage substances; use/exposure information, low tonnage CSR, DMEL)
- **Polymers**
- **Safety data sheets**
- “Cocktail effect” and **mixture assessment factor**

Authorisation and restriction processes too complex

- Extend **generic risk management approach**
- Simplify **authorisation and restriction processes**
- Introduce **essential use concept**

Insufficient enforcement

- **Revoke registration numbers** for constantly non-compliant dossiers
- **European Audit capacity**
- Strengthen **customs** controls, combat **fraud** and tackle **online sales**
- **Access to justice**



Next steps

- Finalisation of **impact assessment** on the basis of RSB comments
- **Legal drafting** has started
- **Commission proposal** foreseen in Commission work programme for Q4 2023

Thank you



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