

Fluorocarbons Management Policy (Toward the Lifecycle Management of Fluorocarbon)

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1. Overview of Legislations and Regulations for Fluorocarbons in Japan.

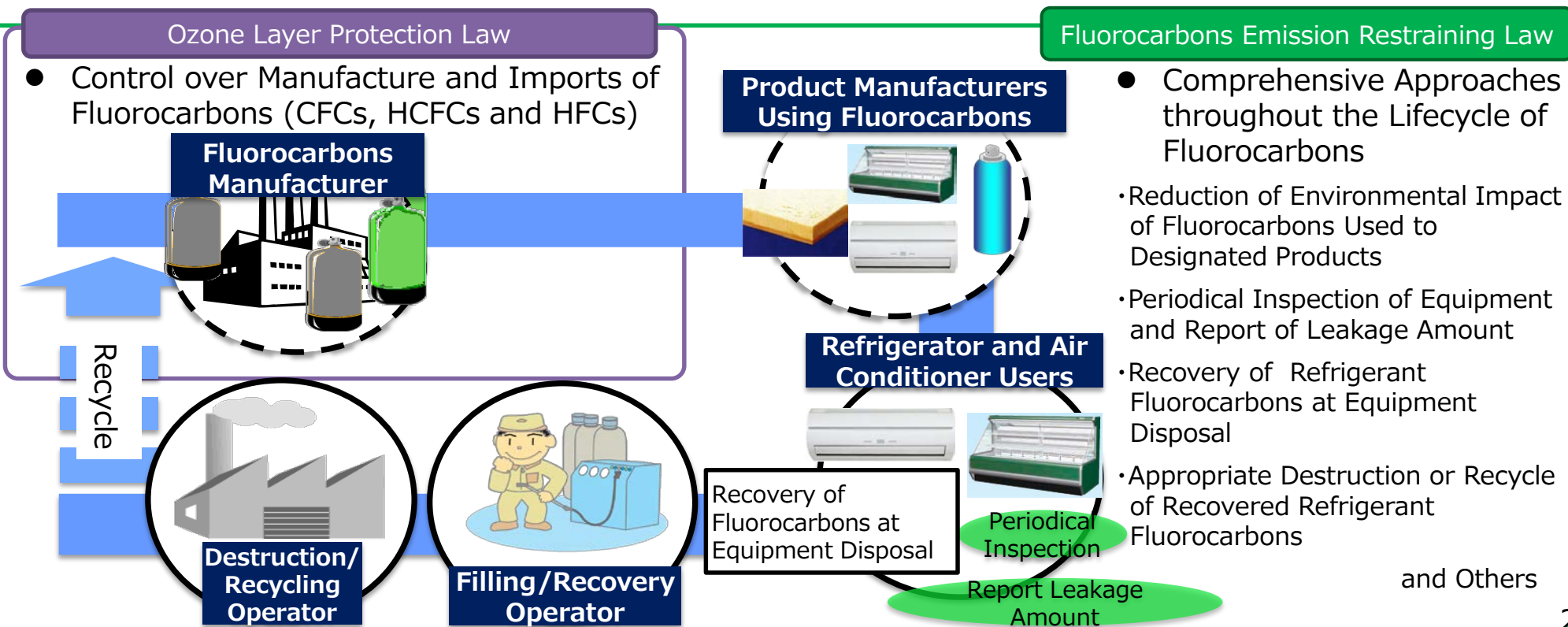
2. Amendment of Fluorocarbons Emission Restraining Law

(Enhancing Recovery of Fluorocarbon refrigerants at the time of equipment disposal)

3. Lifecycle Management of Fluorocarbon

Overview of Legislations and Regulations for Fluorocarbons

- **Act on the Protection of the Ozone Layer Through the Control of Specified Substances and Other Measures (Ozone Layer Protection Law):** enacted in 1988. In order to implement obligation to reduce production and consumption of fluorocarbons based on Montreal Protocol, manufactures and imports of fluorocarbons are controlled.
- **Act on Rational Use and Proper Management of Fluorocarbons (Fluorocarbons Emission Restraining Law):** Aiming for restraining emission of fluorocarbons, the Act provides comprehensive approaches throughout the lifecycle of fluorocarbons, including periodical inspection of commercial refrigeration and air-conditioning equipment using fluorocarbons, in addition to recovery of fluorocarbons from these equipment at the time of disposal.



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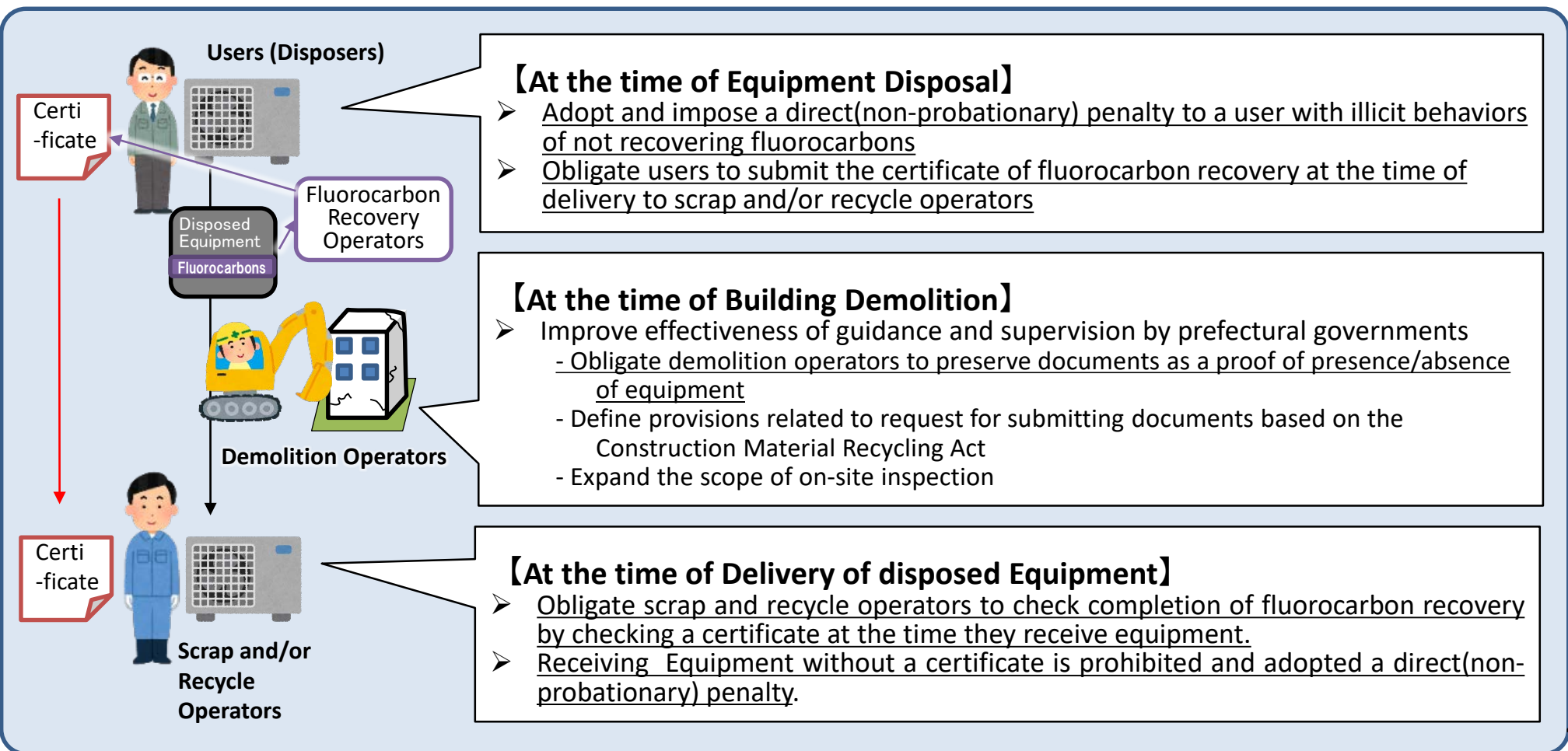
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Amendment of Fluorocarbons Emission Restraining Law

- To improve fluorocarbon recovery rate at the time of disposal(nearly 40% in 2017), regulations based on Fluorocarbons Emission Restraining Law was strengthened last month.
- Stakeholders(users, demolition operators and scrap and/or recycle operators) owe additional obligations as following.
- According to this strengthened regulation, we improve fluorocarbon recovery rate more than 70% in 2030.



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Lifecycle Management of Fluorocarbon

【Effect of the Life cycle management】

- We can achieve additional emission reduction of HFCs in accordance with the Kigali Amendment by taking measures as follows:
 - ✓ Measures to prevent leaks of HFCs in equipment use.
 - ✓ Recovery and Destruction or Recycle of HFCs at Equipment Disposal

【International application of the Life cycle management】

- Government of Japan hopes to share the view, and can provide assistance based on our expertise to prevent leaks in equipment use, and recover and destroy or recycle at equipment disposal.

