



# Revised EU F-gas

This project is co-financed by the European Union  
and the Republic of Turkey

## Regulation

## (EU)517/2014

## The most important new

## provisions

TECHNICAL ASSISTANCE FOR  
INCREASED CAPACITY FOR  
TRANSPOSITION AND CAPACITY  
BUILDING ON F-GASES

**Opening Ceremony, Ankara, 21st  
September 2017**





# TECHNICAL ASSISTANCE FOR INCREASED CAPACITY FOR TRANSPOSITION AND CAPACITY

## Introductory remarks

- **Regulation (EU)517/2014**
  - was applied from 1 January 2015 and is mandatory for all legal entities and natural persons in the EU
  - replaced Regulation (EC)842/2006 on which the draft Turkish F-gas Regulation was based
  - may be revised based on the report by the Commission on the availability of alternative technologies due by 1 January 2020
  - has been supplemented so far with 12 Commission Implementing Regulations, 5 of which remained the same as issued for the purpose of implementing the previous Regulation (EC)842/2006





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# The most important new provisions (1)

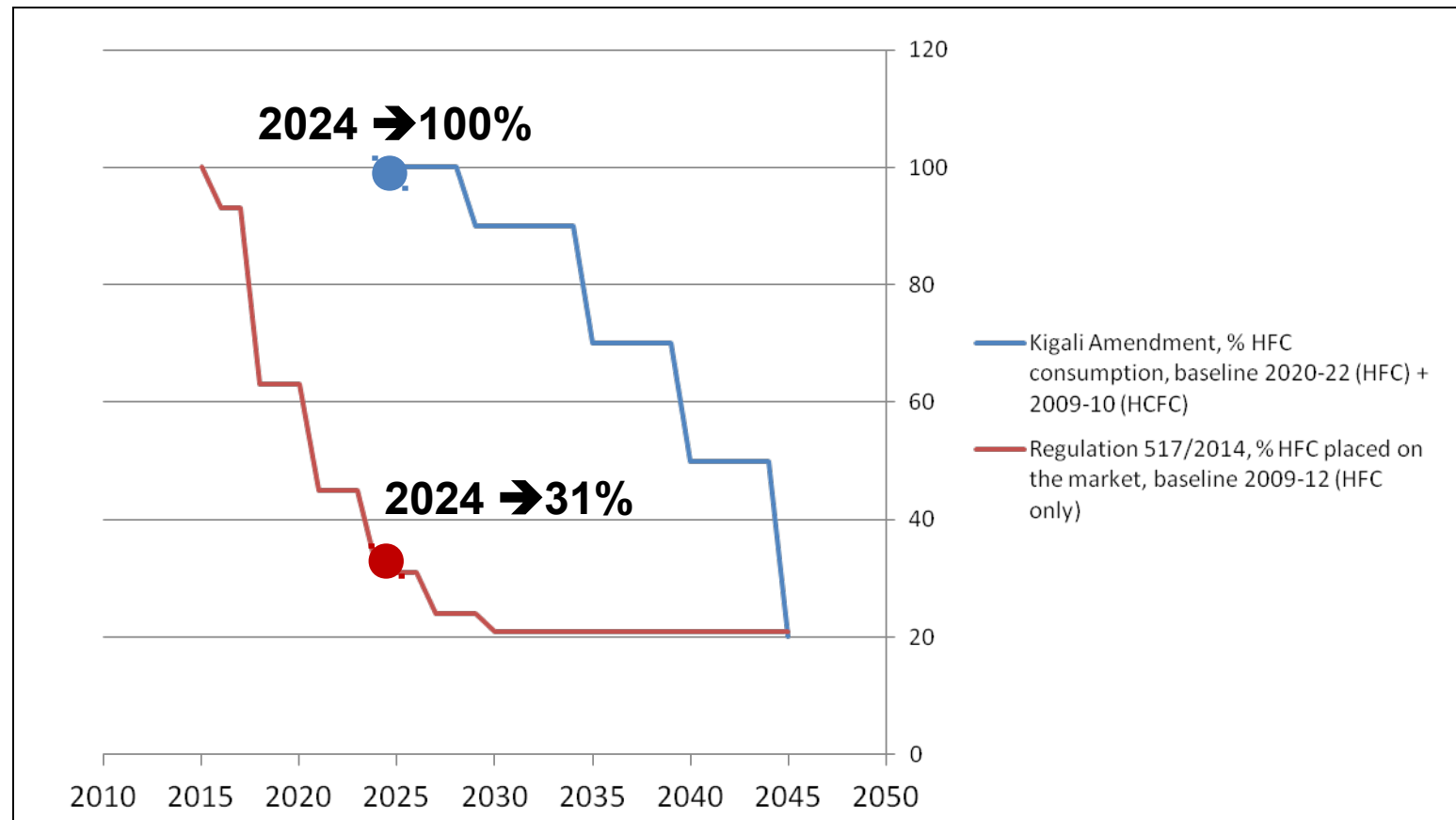
- **Definition of F-gases was changed → now covers 19 HFCs, 7 PFCs, SF<sub>6</sub> and all mixtures containing any of those gases (no GWP limit for mixtures)**
- **HFC phase down schedule was introduced (much stricter than Kigali Amendment) → quantities allowed to be placed on the EU market each year are expressed in tons of CO<sub>2</sub> equivalents (CO<sub>2</sub> eq) calculated by multiplying metric tons by GWP of the substance or mixture**





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## Comparison of HFC phase down schedules





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### The most important new provisions (2)

- **Quota allocation system was introduced → HFC quotas (calculated in tons of CO<sub>2</sub> eq) are allocated each year to “old” HFC producers and importers in the EU (called “incumbents”) and only 11% is left for new importers (called “new entrants”)**
  - HFC quantities imported in pre-charged RAC&HP equipment and in pre-blended polyols are also within quota
- **List of placing on the market bans was extended → *inter alia* - to cover RAC&HP equipment containing high GWP F-gases**





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## The most important new provisions (3)

- **Example of placing on the mark**

- Refrigerators and freezers for commercial use (hermetically sealed equipment)



- That contain HFCs with GWP of 2500 or more → **banned from 1 Jan 2020**
- That contain HFCs with GWP of 150 or more → **banned from 1 Jan 2022**



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## The most important new provisions (4)

- **Example of placing on the market**
  - **Single split air-conditioning system**  
**<3 kg of F-gas that contain, or their functioning**  
**relies upon, F-gases with GWP of 750 or more**
- **banned from 1 Jan 2025**









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## The most important new provisions (6)

- **List of F-gas use bans was extended** → to maintenance or servicing of refrigeration equipment (40 t CO<sub>2</sub> eq or more) containing F-gases with GWP of 2500 or more → **starting from 2020**
  - military equipment or equipment designed to cool products below -50°C → **exempted**
  - reclaimed or recycled F-gases → **allowed till 1 January 2030 with certain restrictions on recycled gases**





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## The most important new provisions (7)

- **Certification requirements were e**  
e.g. to cover technicians who instal  
maintain, repair, decommission or c  
leakage the refrigeration equipment  
F-gases installed on big trucks and trailers  
( > 3.5 tons weight) and recover F-gases from  
such equipment





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### The most important new provisions (8)

- **Limit of F-gas contained in equipment for which the leakage checking according to specified schedules and record keeping is mandatory → was changed from 3 kg to 5 tons of CO<sub>2</sub> eq**  
**E.g. for R-404A → 5 tons of CO<sub>2</sub> eq = only 1.3 kg**
- **Several other new important obligations were introduced → e.g. the obligation for the seller of RAC&HP equipment that is not hermetically sealed to request proof from the buyer that such equipment will be installed by certified undertaking**





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## Conclusions

- **Several important new provisions including HFC phase-down schedule as well as use bans, placing on the market bans and obligations for undertakings were introduced in the revised EU Regulation (EU)517/2014 as compared to Regulation (EC)842/2006**
- **It will be a great challenge for Turkey to follow those new provisions**
- **The Project will assist Turkey to prepare for implementation of the revised Regulation (EU)517/2014**





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# Thank you for your attention !

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