



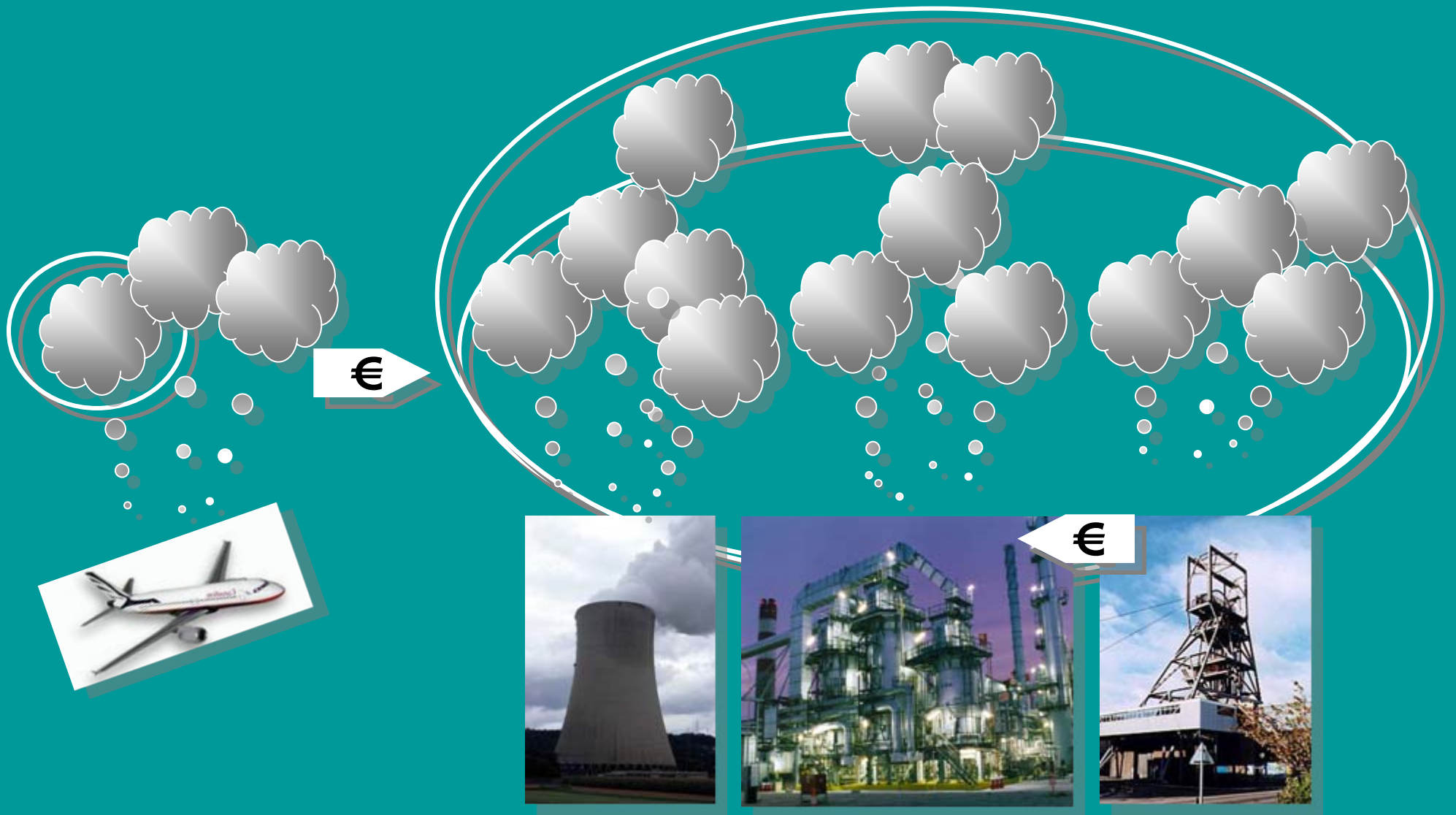
# Aviation EU Emissions Trading System Principles and next steps

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# Aviation EU Emissions Trading System: overview



# Aviation EU Emissions Trading System: overview

- EU Directive 2008/101/EC agreed in 2008.
- Covers all aircraft operators (commercial and non-commercial) flying into and out of the EU, with a number of exemptions
- 2012 cap: 97% of average 2004-06 levels of CO<sub>2</sub> emissions
- 2013-2020 cap: 95% of average 2004-06 levels of CO<sub>2</sub> emissions
- Any expansion in aviation met by reductions in other ETS sectors
- Aircraft operators are allocated to a regulating Member State by means of a list produced by the European Commission

# Aviation EU Emissions Trading System: overview

- UK Aviation Greenhouse Gas Emissions Trading Scheme Regulations 2010 transposed EU Directive
- HMG currently working to amend the 2010 regulations to allow for the regulation of aircraft operators missed off the Commission's list in error
- Appointed regulators:
  - Environment Agency (England & Wales)
  - Scottish Environment Protection Agency
  - Northern Ireland Environment Agency



# Monitoring and reporting

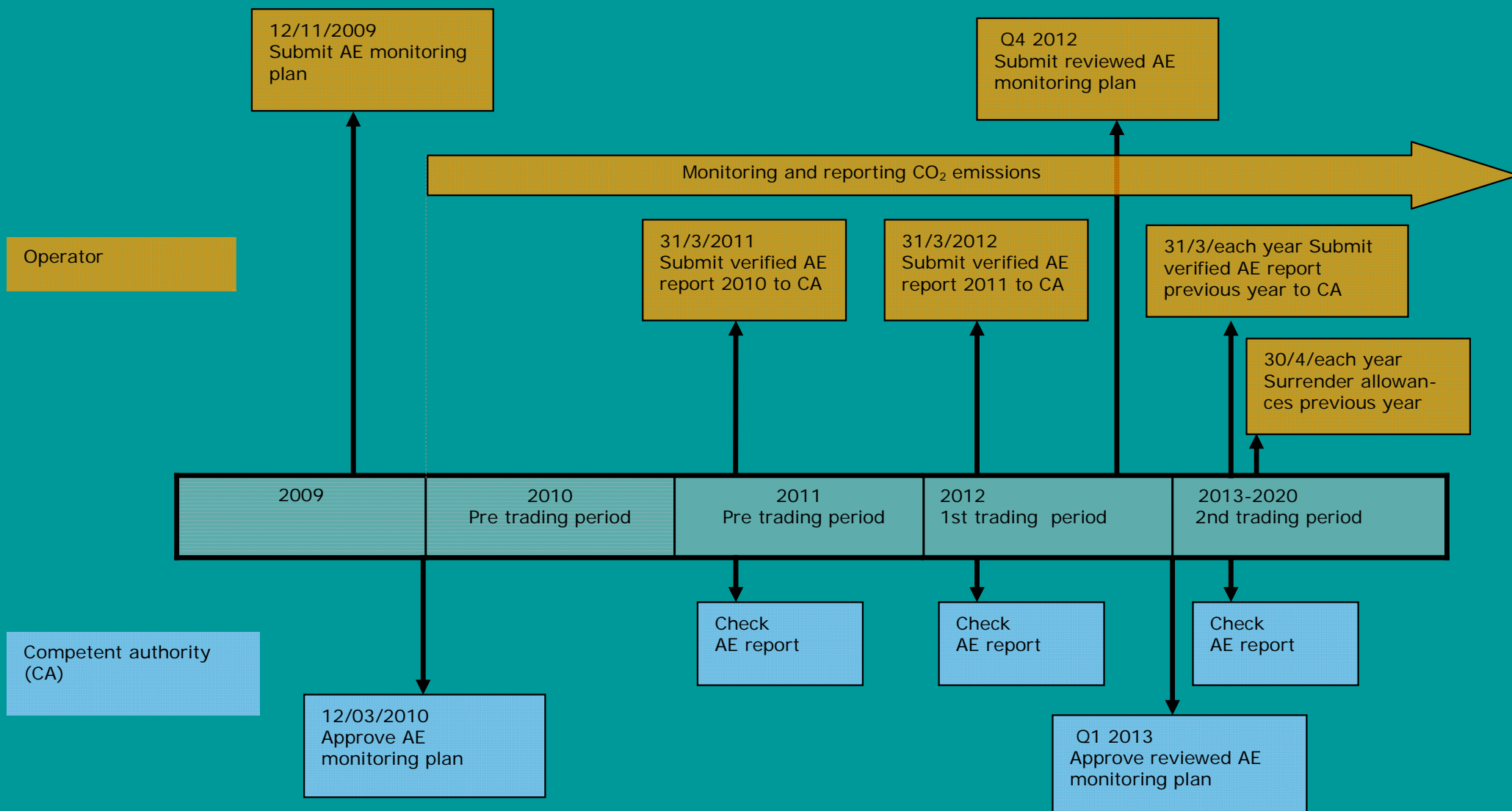
- Simplified approach for monitoring and reporting, when submitting an application for a plan
- Small emitters to complete the same reporting format for emissions as larger emitters and have annual data verified by an accredited verification body.
- Via the ETSWAP Emissaire online software.
- Aircraft operators with an approved annual emissions plan, to submit a verified emissions report for each calendar year, by the 31st March of the following year.
- If an operator has an approved benchmarking plan, a verified benchmarking report will also need to be submitted, by this deadline.

# Simplified Monitoring and Reporting process for small emitters

<b>Definition of a small emitter</b>	<ul style="list-style-type: none"><li>• Perform less than 243 flights per period for three consecutive four month periods <b>or</b> annual flight emissions of less than 10,000 tonnes CO<sub>2</sub>.</li></ul>
<b>Estimation of fuel consumption (re: annual emissions plan) using EUROCONTROL Small Emitter Tool</b>	<ul style="list-style-type: none"><li>• Estimates fuel consumption for flights performed using tools implemented by Eurocontrol.</li><li>• Not for use in a benchmarking plan and subject to approval from your regulator.</li><li>• Spreadsheet calculates fuel consumption by aircraft type/distance travelled.</li><li>• Downloaded from Eurocontrol website: <a href="http://www.eurocontrol.int/environment/public/standard_page/ETS_Support_Facility_Access.html">http://www.eurocontrol.int/environment/public/standard_page/ETS_Support_Facility_Access.html</a></li></ul>
<b>EUROCONTROL Support Facility</b>	<ul style="list-style-type: none"><li>• Mostly used by regulators for estimating flight activity, from CRCO data, fuel consumption etc.</li><li>• Fuel estimation methodology is embedded in the Support Facility, with fuel consumption and associated emissions estimated in the same way.</li></ul>
<b>Exceeding the threshold</b>	<ul style="list-style-type: none"><li>• Notify competent authority if exceeding threshold in reporting year.</li><li>• If cannot demonstrate that threshold will not be exceeded in following reporting year, then operator must vary monitoring plan, involving actual measurement of fuel consumption.</li></ul>

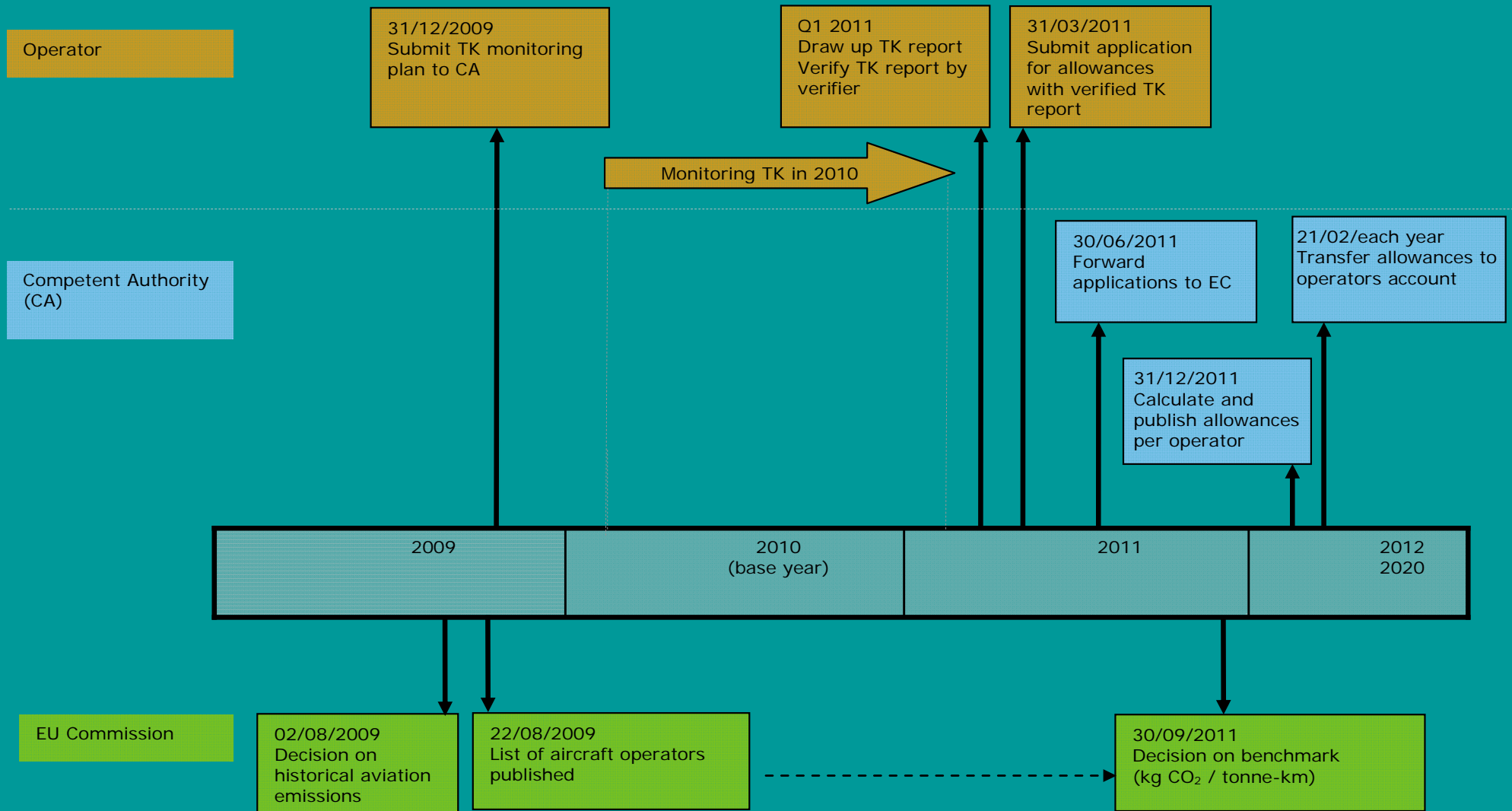
# Timeline for monitoring and reporting emissions

(all dates are deadline. AE = Annual emissions)



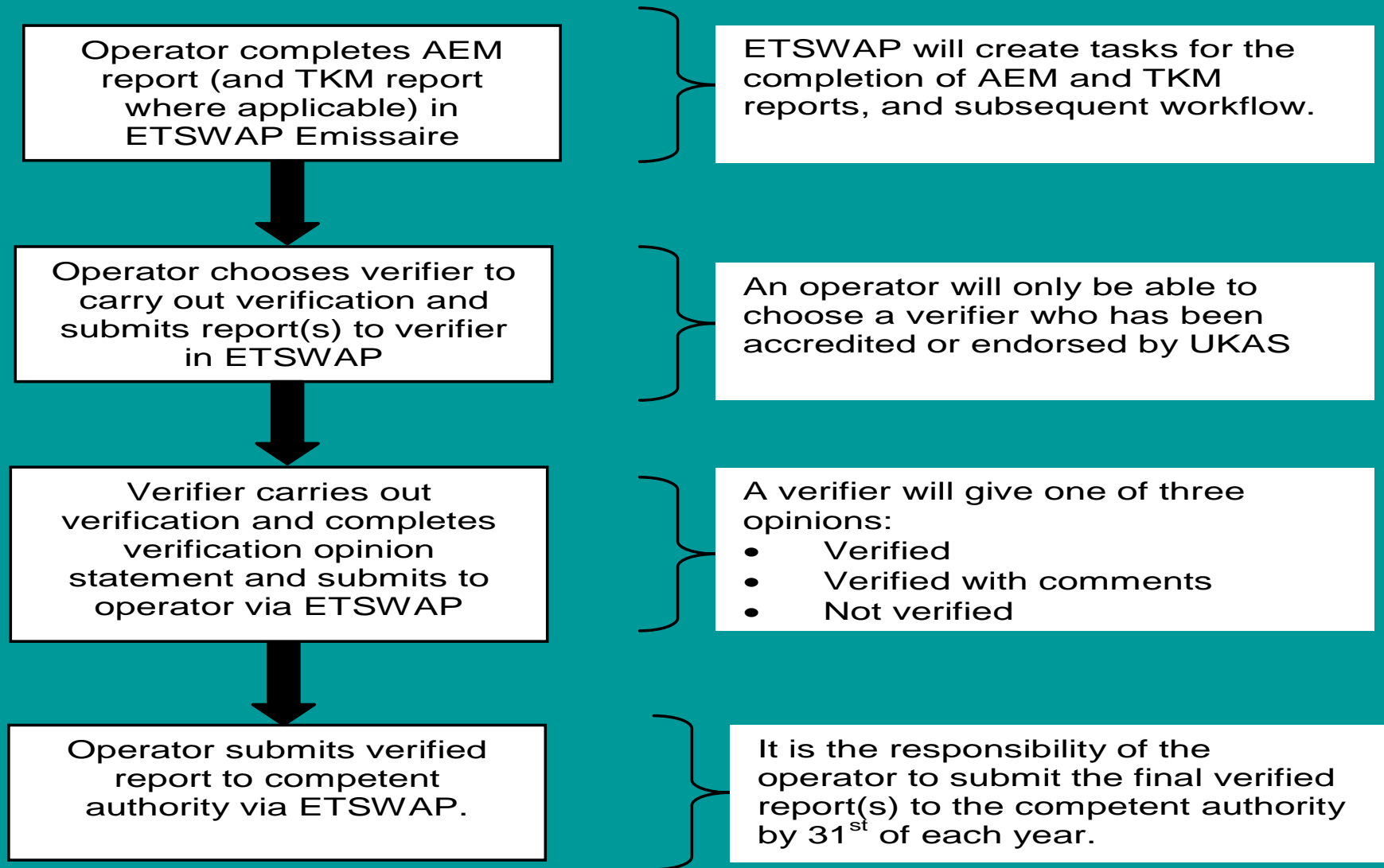
# Timeline for allocating free emissions allowances

(all dates are deadline. TK = Annual emissions)





# Process for submitting CO2 and TK data to UK regulators



# Verification

- Verifiers to assess if emissions and tonne-kilometre reports are free from material misstatements and material non-conformities.
- Reports cannot be accepted by regulators if they are not verified by an accredited verifier.
- Aircraft operators can choose who carries out their verification for them
- Verifiers must be either accredited by UKAS or accredited by a member of the European Cooperation for Accreditation and endorsed by UKAS.  
UKAS website: <http://www.ukas.com>

# Verification

- Log on to the European Commission's website to see verification guidance for the aviation sector:

[http://ec.europa.eu/clima/policies/transport/aviation/monitoring\\_en.htm](http://ec.europa.eu/clima/policies/transport/aviation/monitoring_en.htm)

- The guidance covers the following areas:
  - Verification requirements
  - How a verifier should carry out verification
  - Specific requirements and issues in the verification of CO<sub>2</sub> and TK reports
  - Verification where operators have used the EUROCONTROL Small Emitters Tool
  - Competence and impartiality requirements for verifiers
  - Accreditation requirements for verifiers

# Next steps

- Ensure you know whether you are covered by the Aviation EU ETS or not. Check the list published on the European Commission's website:

<http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2011:039:0001:0120:EN:PDF>

- If you are subject to UK regulation and have not yet done so, make contact with the Environment Agency by sending an e-mail to [ETAviationHelp@environment-agency.gov.uk](mailto:ETAviationHelp@environment-agency.gov.uk)

# Next steps

- If you are subject to UK regulation, ensure that you have an approved CO2 and (if appropriate) and approved tonne-kilometre monitoring plan in place.
- If you have not already done so, engage a verifier to verify your CO2 and TK data
- Submit your verified CO2 and TK data to your regulator before 31 March, using the ETSWAP portal

# Contact details

- Queries about compliance (Environment Agency):  
Environment Agency: [ETAviationHelp@environment-agency.gov.uk](mailto:ETAviationHelp@environment-agency.gov.uk)
- Queries about inclusion on the EC list  
European Commission: [ENV-EU-ETS-OPERATOR-LIST@ec.europa.eu](mailto:ENV-EU-ETS-OPERATOR-LIST@ec.europa.eu)
- For queries about Aviation EU ETS legislation:  

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