



# Overview of the Microgeneration Certification Scheme

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- Overview of the MCS – What and Why?
- How it works
- How to get involved
- Future outlook





# What is the MCS and What are the Benefits?

# What is the MCS?

- Independent certification scheme
- Certificates microgeneration products and services against consistent, robust & high quality standards
- Covers many microgeneration technologies

***Consumer Focussed Scheme***



# What is Covered?

Category	Technology
Electricity generating technologies	<ul style="list-style-type: none"><li>• Solar photovoltaics (PV)</li><li>• Micro-Wind</li><li>• Micro-Hydro</li></ul>
Heat generating technologies	<ul style="list-style-type: none"><li>• Solar thermal technologies</li><li>• <b><u>Heat pumps (ground source and air source)</u></b></li><li>• Biomass</li></ul>
Co-generating technologies (electricity and heat)	<ul style="list-style-type: none"><li>• Micro Combined Heat and Power (CHP)</li></ul>

# Why was the MCS developed?

To progress the microgeneration industry, raise awareness and address the perceived market place opinion of:

- Technologies not being efficient
- No protection if it goes wrong



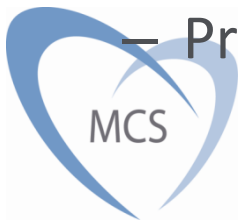
# Benefits of the MCS

Consumers	Producers / Installers
Confidence in products and service	Market Place Recognition
Protection – linked to OFT scheme (i.e. REAL Assurance Scheme)	Quality Branding through MCS Mark
Information and awareness	Publicity & Route to Market



# Benefits of MCS

- Proposed as a measure for RHI
- The Standard Assessment Procedure for Energy Rating of Dwellings (SAP 2005)
- Code for Sustainable Homes
- Planning and permitted developments (GPDO)
  - Allow the installation of GSHPs without planning permission
  - Proposed to include ASHPs (consultation recently closed)





# A Mark of Quality

APPROVED INSTALLER



APPROVED PRODUCT

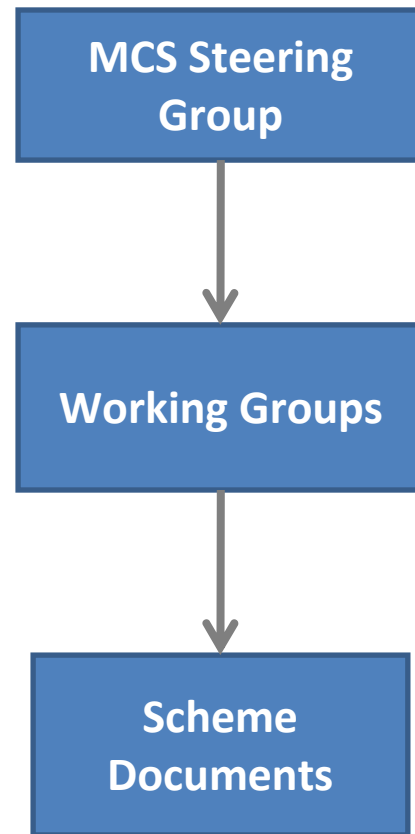


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# How the MCS Works

# MCS Governance Historic



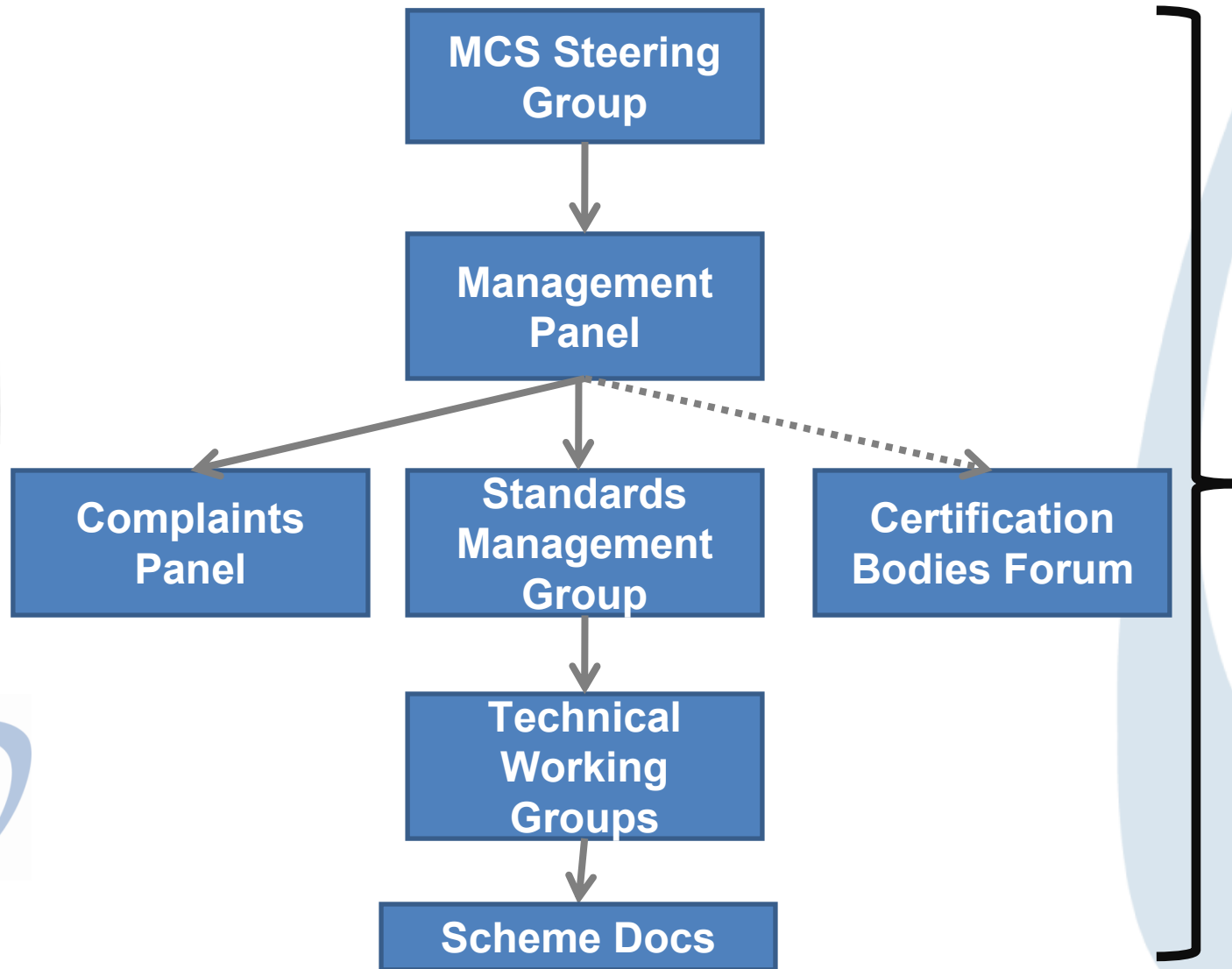
## Administered by Gemserv:

- Licences the Mark
- PR and promotions
- Meeting secretariat
- Website
- Data management
- Email and phone helpdesks

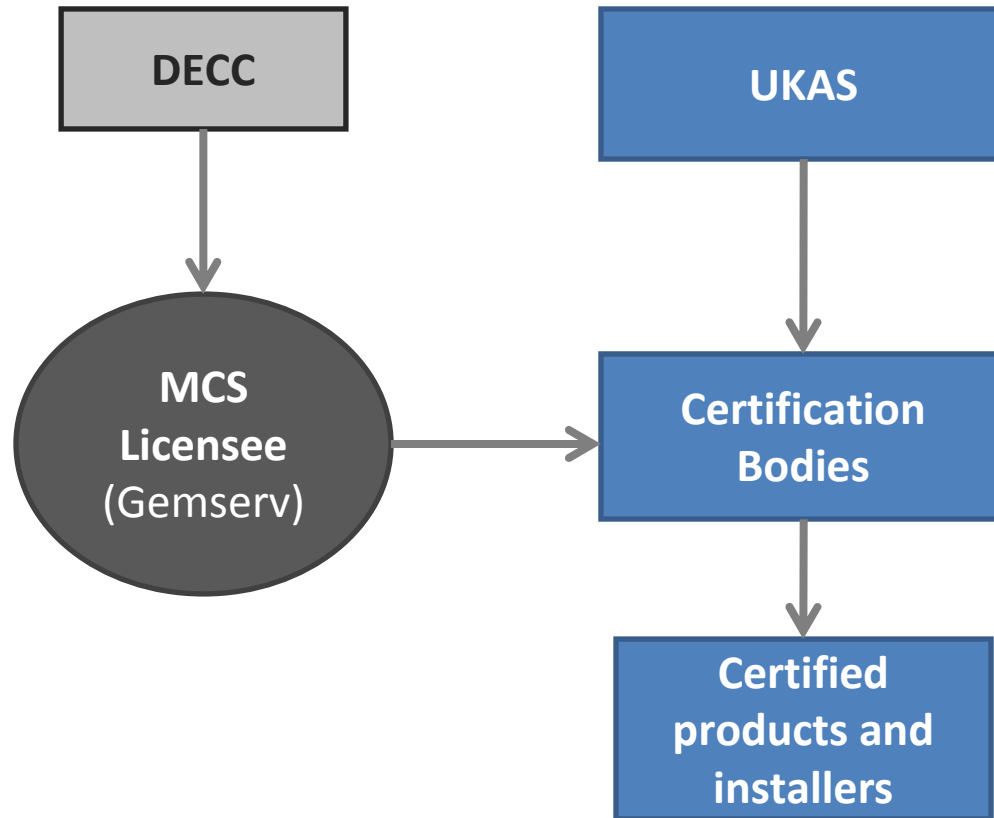


**Regulated and funded by the microgeneration sector**

# MCS Governance - New



# MCS Licensing arrangements

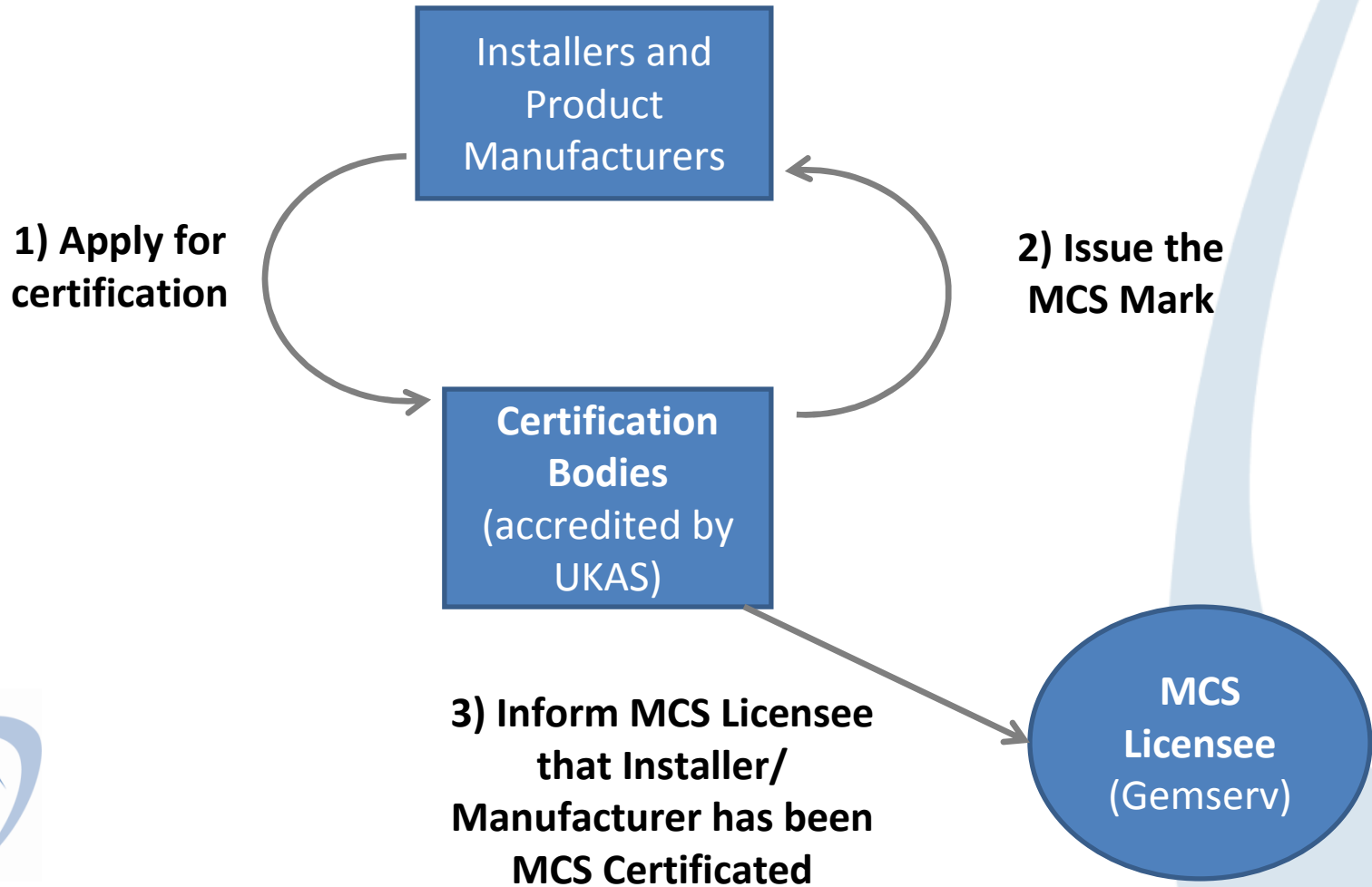


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# How to Get Involved

# Certification



# The Standards

- In line with existing international standards (e.g. EN45011, EN14511)
- Installer – business and quality processes, site assessment
- Product – performance test data, factory production control assessment
- *See MCS website for full standards*





# What Does it Cost?

- Charges for installers agreed by the Steering Group
  - £100 per year
  - £5 per installation
- Charges for products on a sliding scale
  - £350 / £250 / £175 / £100

***Does not include Certification Body fees***



# Certification Bodies

- **Action Renewables (Installers)**
- **BBA (Products)**
- BABT (Products)
- **BSI (Products)**
- **BRE (Installers and Products)**
- **CORGI (Installers)**
- **EC Certification / ELECSA (Installers)**
- HETAS (Installers and Products (Biomass only))
- **NAPIT (Installers)**
- **NICEIC (Installers and Products)**
- TUV NEL (wind products only)

*Full contact details for CBs available on the MCS website*



# Certificated to date...

Type	Ground Source Heat Pumps	Air Source Heat Pumps
Installer Companies	274	274
Products	147	198

***754 Certificated Installer Companies in Total  
& circa 700+ Certificated Products in Total***



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# Future Outlook

# What's New?

- Assessment and performance criteria for exhaust air and swimming pool heat pumps has been added to MCS 007 (so far two exhaust air heat pumps certificated)
- Developing the standards to include CO<sub>2</sub> heat pumps
- Proposed as a measure for RHI
- New MCS Structure with more information to be made available to stakeholders



# Transition Arrangements

- Interim arrangements to allow listing on MCS website for heat pumps undergoing certification subject to:
  - Demonstrable intention to complete certification
  - Minimum technical criteria
  - Consumer Protection
- Risk needs to be explained to the homeowner by installer
- Products can apply for transition until June 30<sup>th</sup> 2010



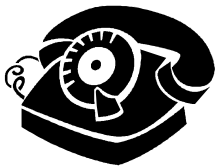
# Contact



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