

# Making gas metering work - introducing ASPCoP

AMR Service Provider Code of Practice

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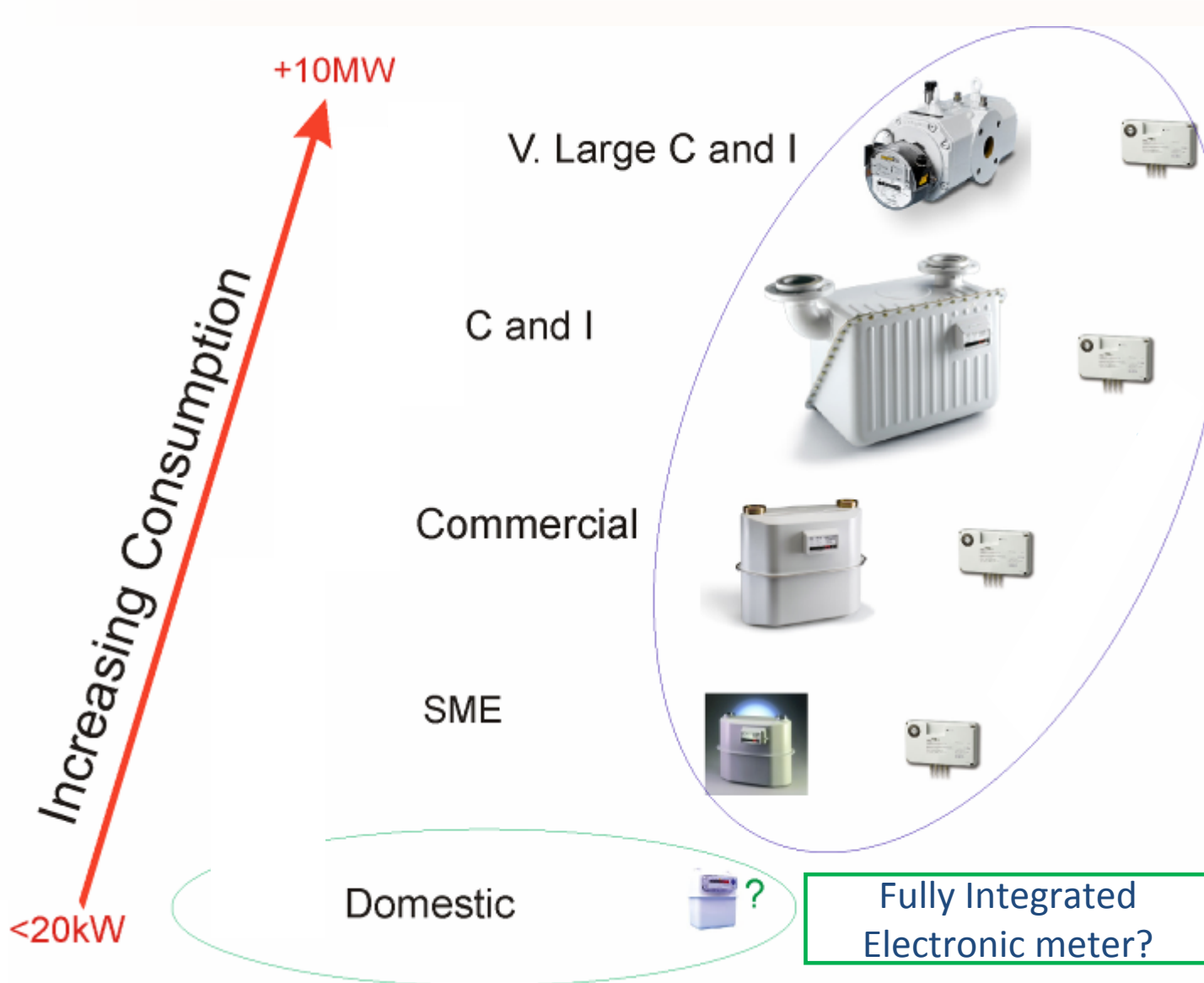
# Areas Covered

- Background and Drivers
- Typical Meter Installations
- Unique problems in gas - Equipment Chains
- GM7 and hazardous Areas
- The ASPCoP
- Meter Pulse Utilisation (MPU) Agreement
- Summary

# Background and Drivers

- AMR Changes in Skill Level
- DECC development of Advanced & Smart Functionality Concepts
- European Directives - Energy Services directive
- CRC - carbon reduction commitment
  - AMR required to achieve reporting criteria
- Supplier Licence Obligation
  - Advanced on sites >25k Therm's by April 2014
- Development of GM7
- AMR Installation not subject to specific Governance

# Gas Smart metering



A range of meters are needed to measure over the full range.

Communications is added by an external Logger.

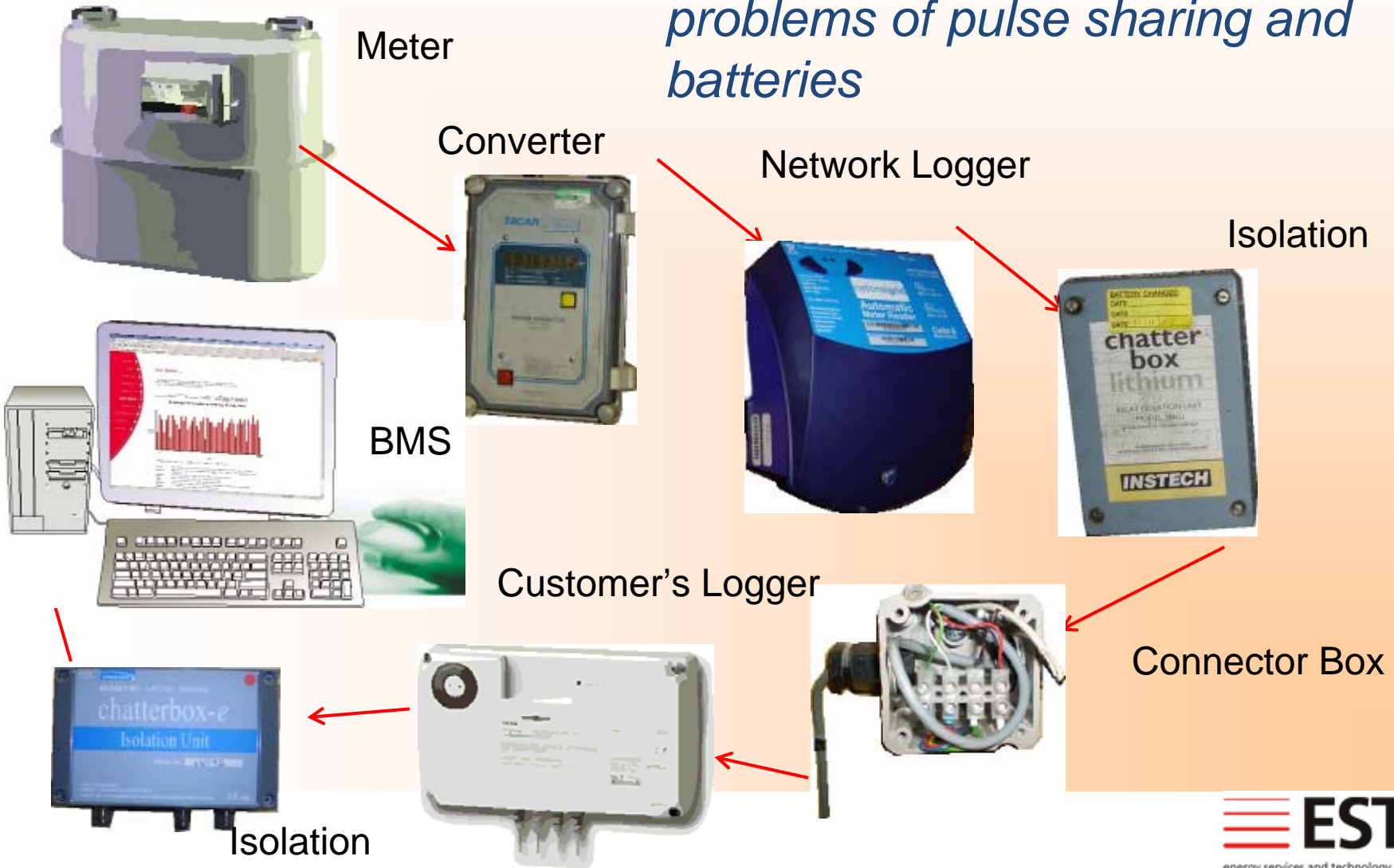
# Typical Installations of Gas Meters



Large and Complex

# Complex Installations and Chains

*Connection of Multiple Devices  
problems of pulse sharing and  
batteries*



# Key Stakeholders

*Complex and multiple relationships*

End User	the party using the energy
Energy Supplier	the party supplying the energy
Customer	the party paying for the equipment and service (this may for example be the End User or Energy Supplier)
AMR Manufacturer	the party manufacturing the AMR equipment
AMR Service Provider	the party providing the AMR service
MAM	the party who manages the Meter asset
Shipper / Distributor	the party transporting the energy to the delivery point
Auditor	the party that verifies self-certification
Ofgem	the regulator
ESTA	the author and maintainer of the document
DECC	the party replacing Defra and BERR
SPAA	Supply point administration

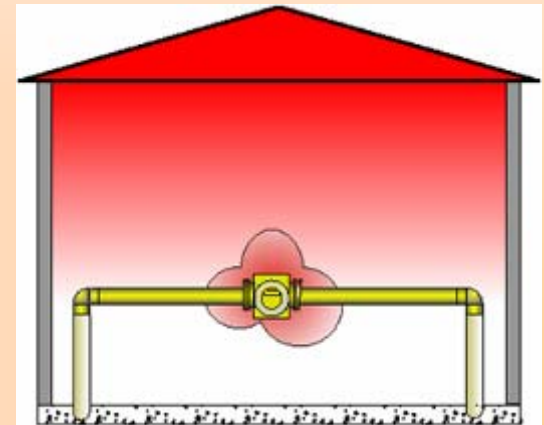
# IGEM/GM7 – Industry Reference Document for Attaching to gas Meters



IGEM/GM/7 is the industry accepted bible on requirements for the selection, installation, inspection and maintenance of electrical equipment connected to gas meter installations and zone calculations.

Commercial and industrial application will be more complex and subject to hazardous zone classification.

Industry expects all equipment to be Zone 0 certified.



# Why have a Code of Practice?

- To date there has been little overarching Governance over the provision and installation of AMR Equipment by Service Providers
- ESTA has taken the initiative to develop, promote and manage a CoP.
- The CoP has been developed through consultation with stakeholders from industry including consumers and special interest groups.
- It is overseen by a Management Committee made up of representatives from industry and other interested stake-holders
- A CoP is not law, but it should be followed unless there is an alternative course of action that achieves the same or better standards.

# Benefit of ASPCoP to Customers and ASPs

- Provides an harmonised Governance structure
- Improves customer confidence
- An easy method of proving compliance with industry standards
- Ensure customers have access to a reliable installer who understands the practical issues associated with gas AMR services
- Ensures better quality of install and service
- In the future is likely to be requested by customers and specifiers
- ASPs must demonstrate they are compliant by an independent audit

# CoP - Safety and Installation

- ASPs must comply with industry standards for gas safety (reference to IGEM GM7)
- Works must be done by competent persons
- Training is required and proof of training
- An appropriate level of public liability insurance must be provided



# CoP - Data Accuracy Assurance

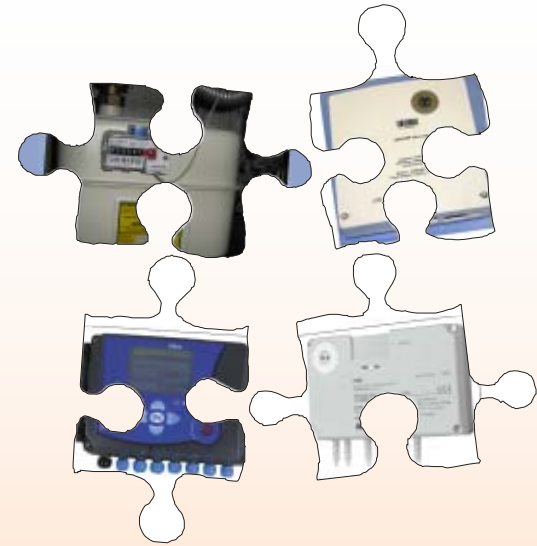
- Demonstrate end to end data integrity
- Operate robust processes including data recovery and disaster recovery
- Data Security including a public data protection policy
- Must demonstrate full end to end data compliance in collection and delivery



# CoP - Interoperability

Data standards will allow interoperability and a data/system level

- ASPs to engineer systems to receive AMR collected meter reads in standard data formats.
- Achieve interoperability between AMR service providers (ASP) and other market participants
- A level of interoperability will allow all market participants to design software to anticipate a common form and promote competition in other services.
  - Short term – close as possible to current
  - Long term - XML

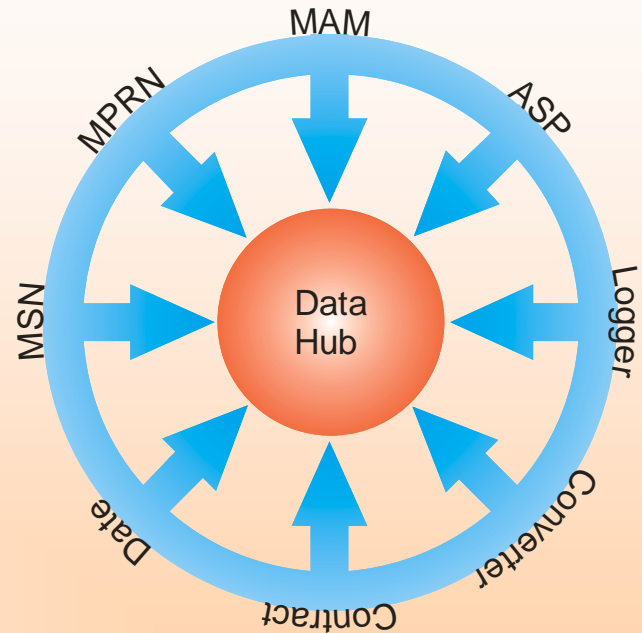


# CoP - Governance

- ESTA manages the CoP on behalf of the industry
- ESTA have formed a Management Committee
- A formal Change Control Process has been initiated and changes will be reviewed by an expert group of stakeholders and ESTA members
- Each applicant will be subject to an Audit
  - Desk top or site visit depending on complexity

# Data Hub

- The Hub is intended to provide a secure, one-stop data interchange
- Aim is to help with collating and monitoring of key data relating to an AMR installation
- Collect and store data from different sources and make it available to those who need to use it.
- Aim is to minimise disruption and effects of chains



# MAMCoP and New MPU Agreement

- New universal MPU being developed by Association of Meter Operators (AMO)
- This will cover arrangements between the Meter Asset Manager (MAM) and the party wishing to connect to the Meter.
- ASPCoP membership will provide a route for compliance with the requirements of the MPU
- Workshop Scheduled for 22<sup>nd</sup> March 2010 (TBC)

# Current Members and Administration



ASPCoP Administration  
ESTA Management Services Limited  
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E: [aspcop@esta.org.uk](mailto:aspcop@esta.org.uk)



**STARK**

# Summary

- CoP now launched and provides practical guidance and advice on how to achieve the standard
- Number of companies registered
- Next phase is to work to provide a data hub
- Developed through consultation with representatives from industry and stakeholders
- Will continue to be refined
- The CoP is not law but will increasingly be specified by interested parties as a requirement