



UK Smart Metering Interface Pack 'SMIP'

Sponsors:

Elster



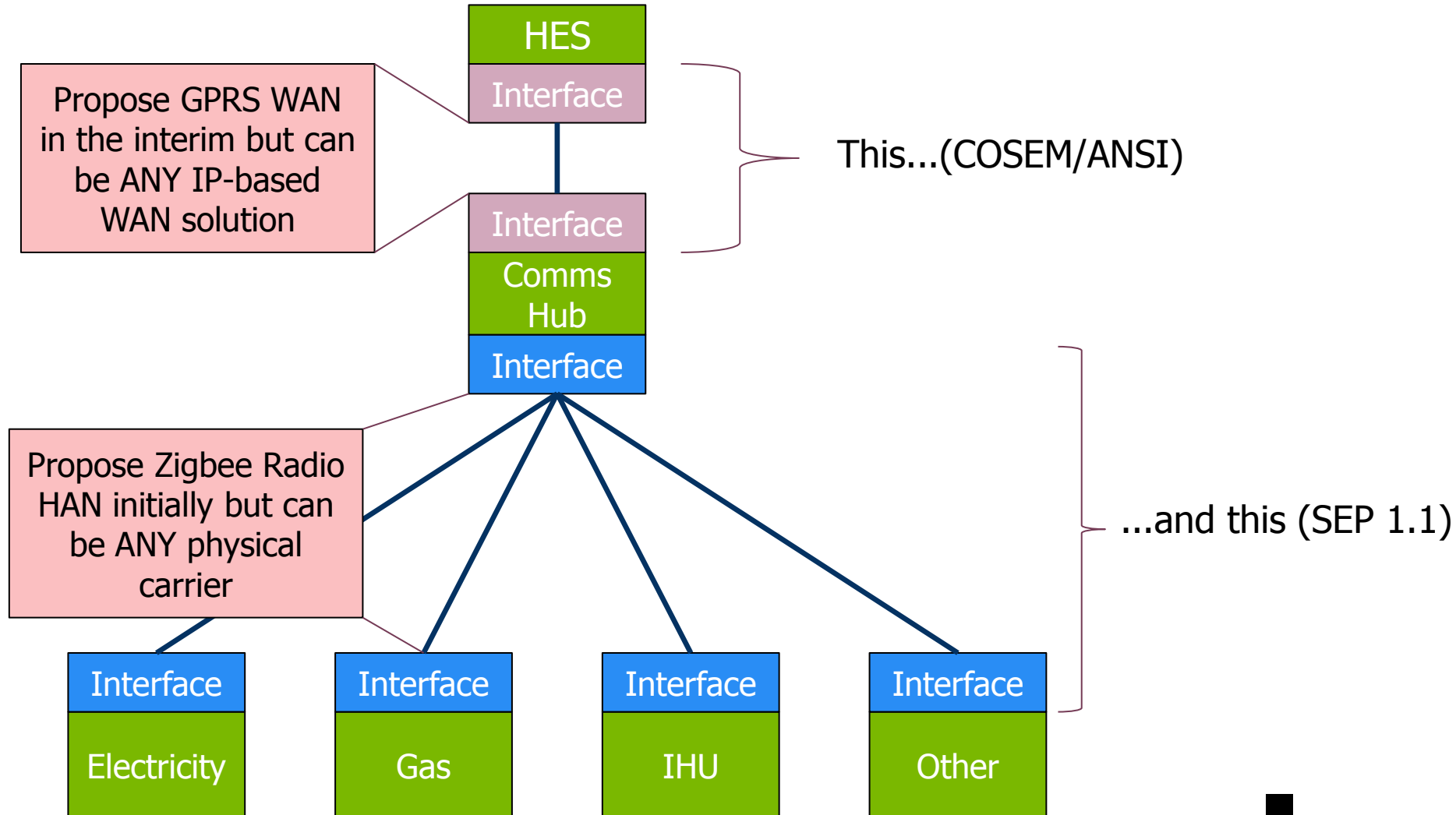
Landis+Gyr



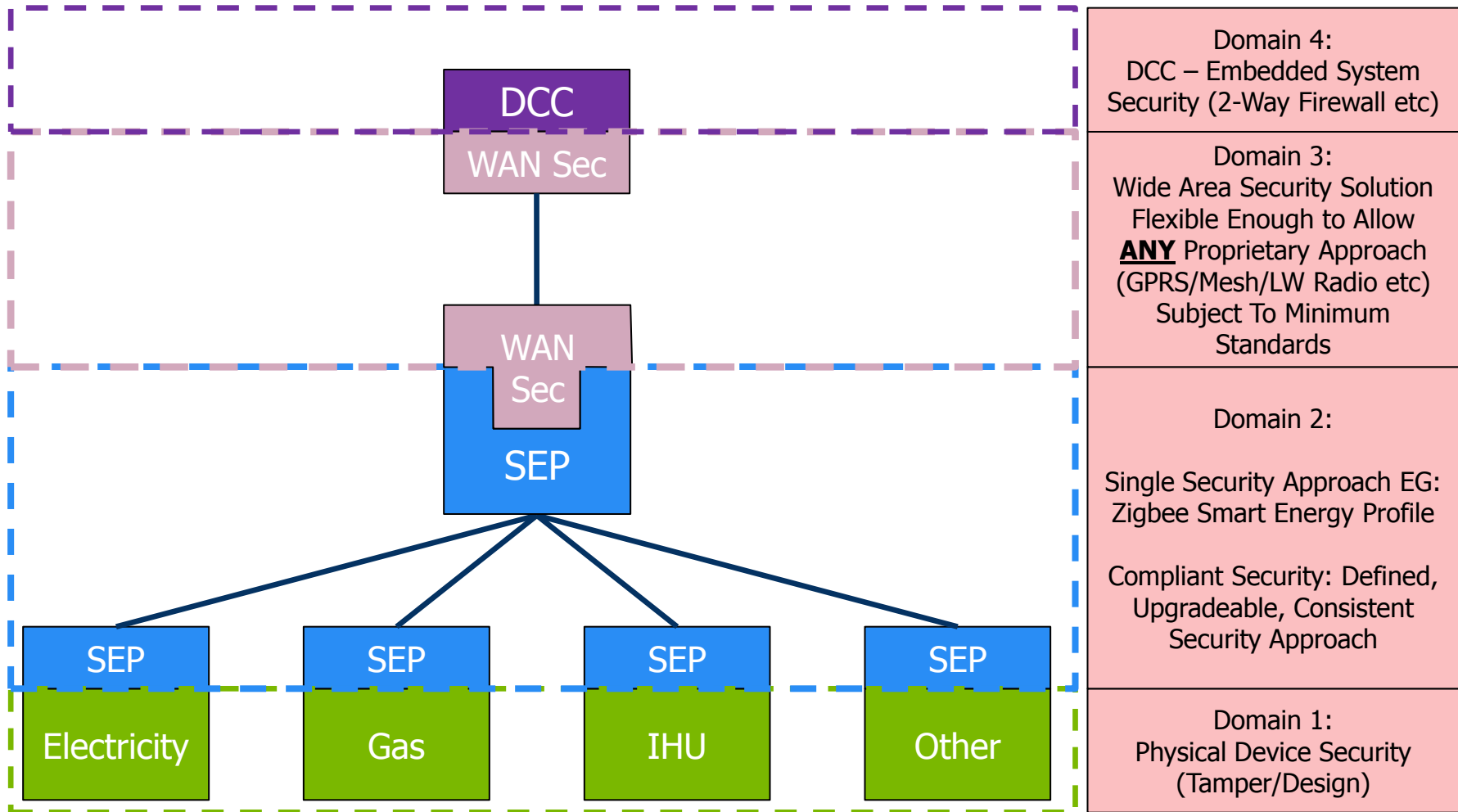
Secure



UK SMIP Defines ONLY What Must Be Defined: Interfaces...



UK SMIP Defines ONLY What Must Be Defined: ...and Security Domains



The UK Smart Metering Interface Pack (SMIP)

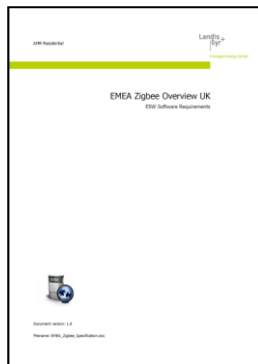
- + An agreed, open basis for securing smart device interoperability
 - EG all Elster/L+G/Secure meters/hubs/IHU's will interoperate in the HAN
 - Any mixed meter set should work with any WAN solution
 - Solution is available to ALL meter/component vendors
- + Supported by independent validation of interface work
 - Interfaces available to ALL – submitted to DECC/Ofgem as 'free ware'
 - Expect to be in a position to engage other parties by Nov 2010
 - Targeting a series of events to establish/prove interoperability

How Applicable Is The UK SMIP

- + Based on Prospectus, ERA SRSM+ and ENA requirements
 - Fully defined use case model - interfaces support **ALL** use cases
 - Use cases will be made available to DECC/Ofgem as 'free ware'
- + UK SMIP covers device interfaces ONLY
 - **Does not dictate device IPR** – vendors can/will create unique technology
 - HAN: Zigbee fully committed to European standards incorporation
 - Incorporates HAN security
 - DLMS COSEM: Several European initiatives (eg IDIS) driving standardisation
 - Incorporates layer security BUT allows additional WAN security overlay

Technology-Neutral Approach To Open Standards

- + Attribute and Interface Specification documents shared

[illegible]

- + Target milestones set to demonstrate interoperability

- | | | |
|---|-----|------|
| – Open interface specifications to other interested parties | Nov | 2010 |
| – Use cases for Interoperability published | Jan | 2011 |
| – Base level SEP interoperability | Feb | 2011 |
| – Base level DLMS interoperability | May | 2011 |
| – Prepayment interoperability | Sep | 2011 |

Clear Progress – Clear Milestones

Summary

- + UK SMIP **CAN** unblock the road to Smart
 - Requires decisive agreement on direction
- + Early steps look promising
 - Good support from internal and external supporters
- + Provides a simple, open early start for Industry
 - A clear way forward – inclusive and not technology-discriminatory

We Are Prepared To Accelerate UK Smart