



# Smart Grids Task Force

**Future market models in a smart  
grid environment**

**Case II: Data Access-Point  
Manager (DAM)**

**Thomas Weisshaupt**

**Deputy Rapporteur**  
**[thomas.weisshaupt@gemalto.com](mailto:thomas.weisshaupt@gemalto.com)**



# The Task in EG3 - DAM as concept description

***Enable consumer participation***

***Foster innovation and encourage investment***

***Integrate Intermittent renewable generation***

***Compliance with 3<sup>rd</sup> energy package***

“Create an outside the box market model to support new parties for distribution of transaction and services”

***Performing while transforming***

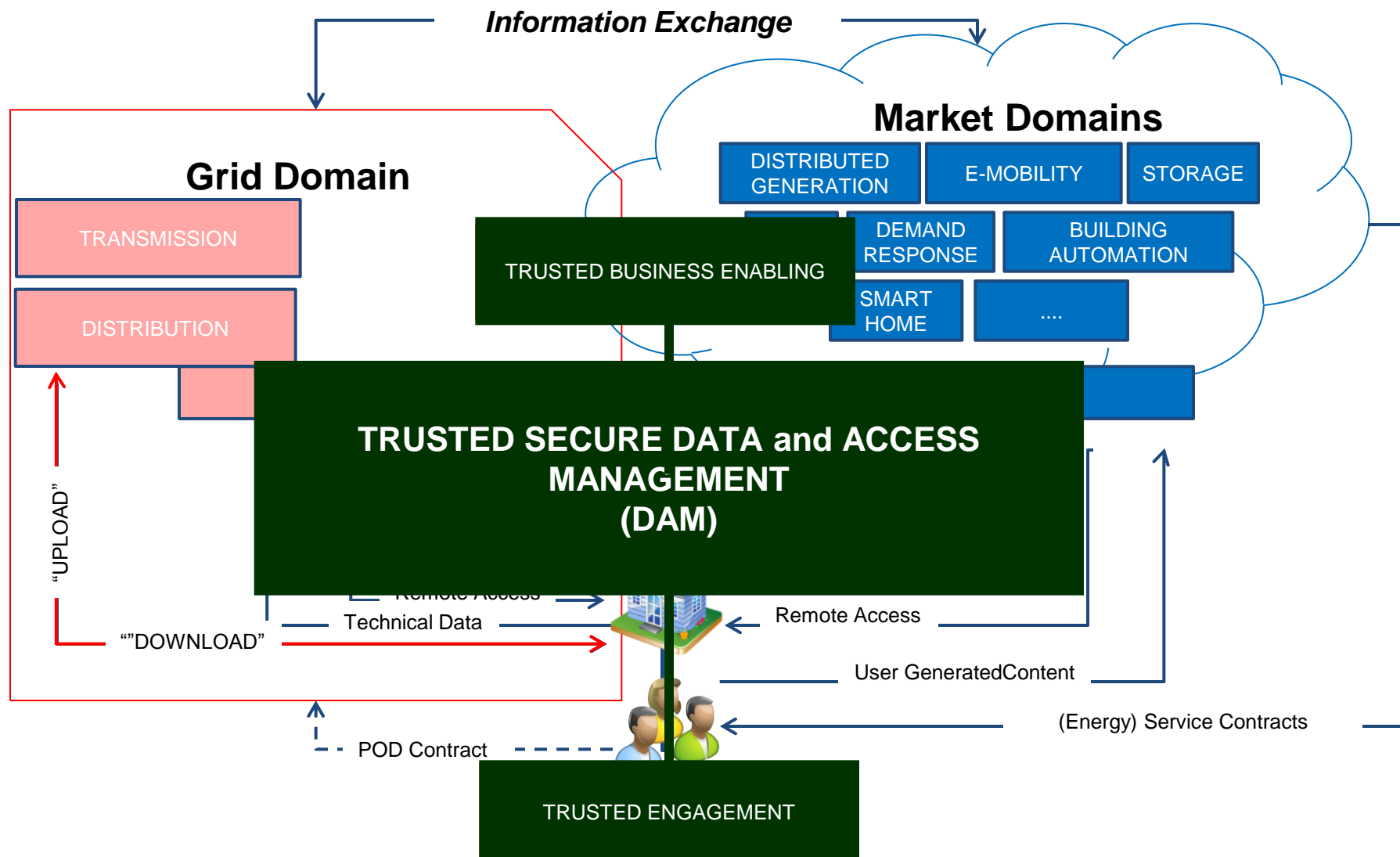
***security and quality of supply at highest level all times***

***Integrate Data Privacy and cyber security***

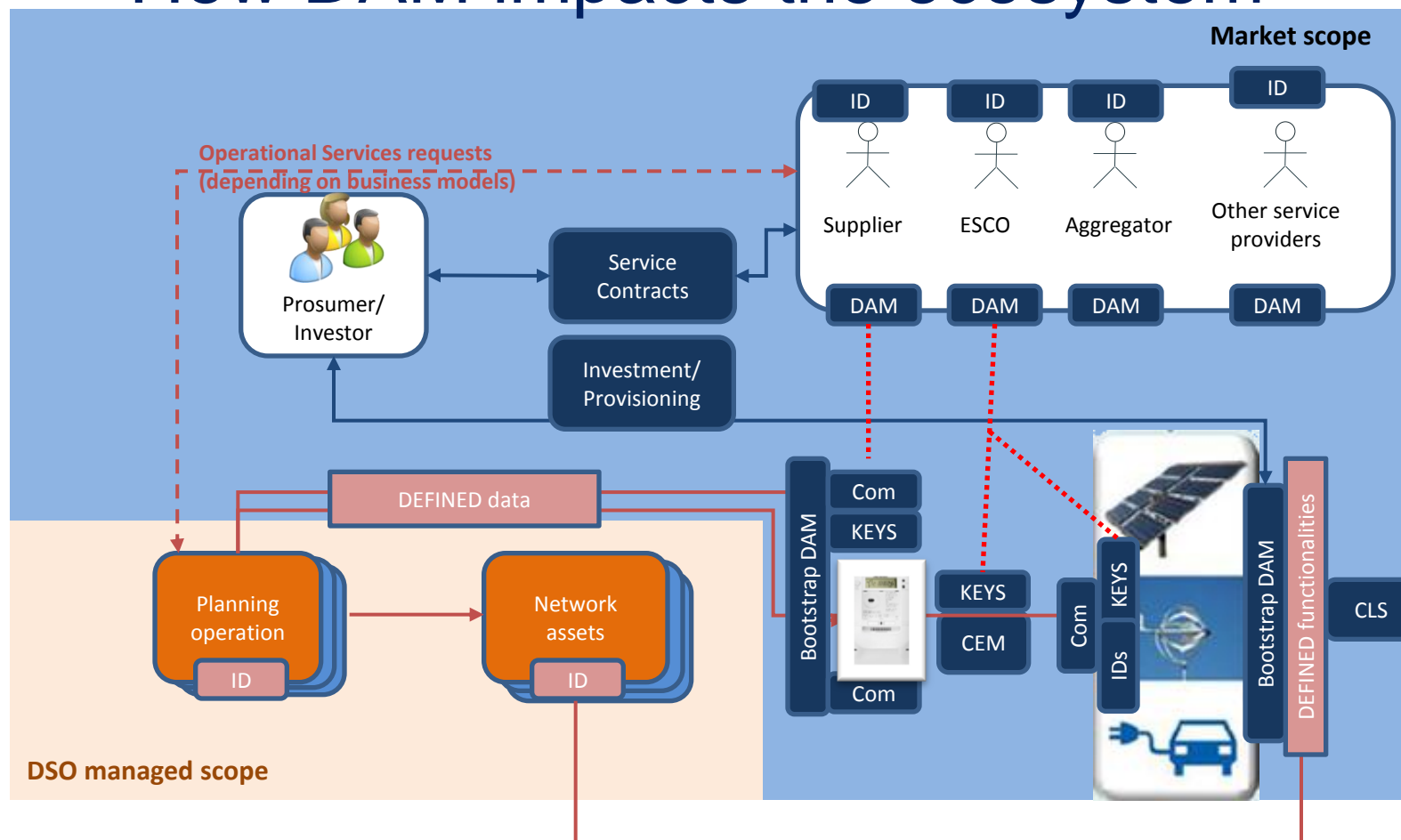
***Resilient to business model and regulation change***



# Smart Grid is about innovation and trust



# How DAM impacts the ecosystem



**CEM:** Customer Energy Management  
**CLS:** Controllable Load System

— Data flow according to service contracts  
— Data flow following regulatory needs



# (New) challenges DAM contribution

*Enable consumer participation*

*Offer fair access to market and revenue streams*

*Foster innovation and encourage investment*

*Enable a fast go-to market for innovation and increase freedom of choice for consumers*

*Integrate Intermittent renewable generation*

*Facilitate natural market development for local power matching and find ways to serve vulnerable consumers*

*Compliance with 3<sup>rd</sup> energy package*

*Increased transparency for all actors and hereby offer for new supplier business models*



# (New) challenges DAM contribution

***security and quality of supply at highest level all times***

***Secure grid operation through access to defined open data and to functionalities for natural monopoly actors***

***Performing while transforming***

***Integration of new devices and services without requiring the whole system to be replaced***

***Resilient to business model and regulation change***

***No need to create new regulatory structures for each type of device, service or business model***

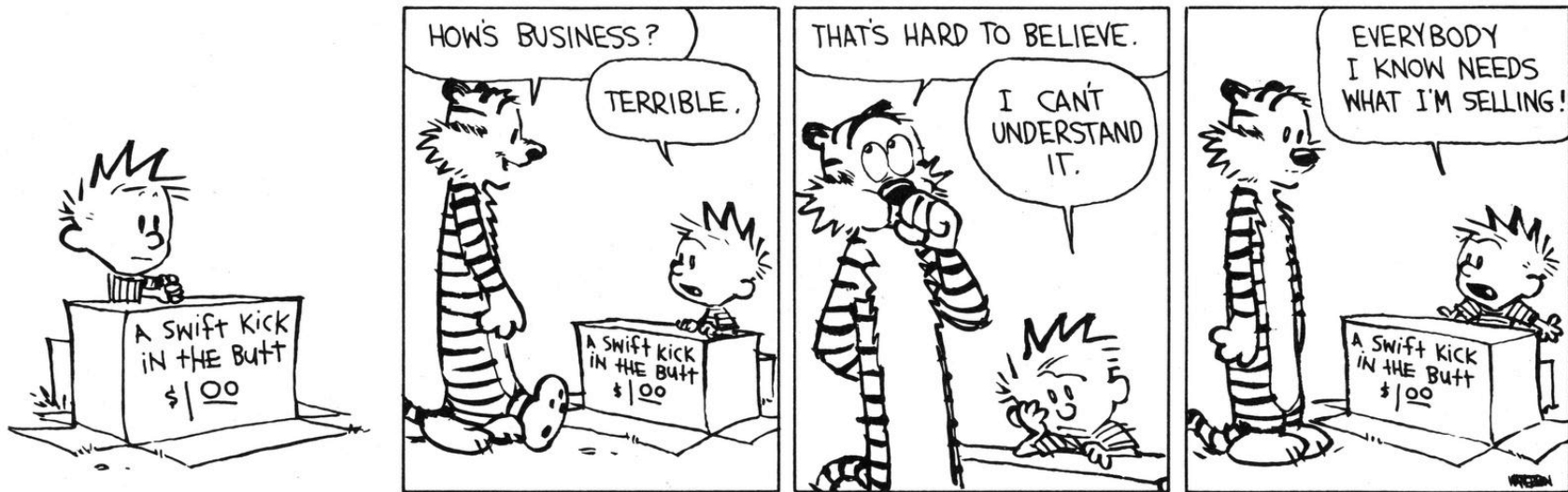
***Integrate Data Privacy and cyber security***

***Architecture reduces risk and vulnerabilities as it does not hold and handle data centrally***

## Next steps (proposal)

- Invitation to open discussion about scalable and future proof DAM/smart grid setting
- Develop DAM technology to higher level of maturity for energy markets in larger scale pilots (in collaboration with EG 4 ???)
- Initiate a round table for defining standardization and certification requirements to gain technology leadership
- Develop a roadmap towards an evolution based smart grid deployment by stipulating a common mode of provisioning devices and stimulate service operations (like EU did with the foundation of GSM-A)

# Behavioural change cannot be enforced



## The energy system dilemma



# BACKUP