

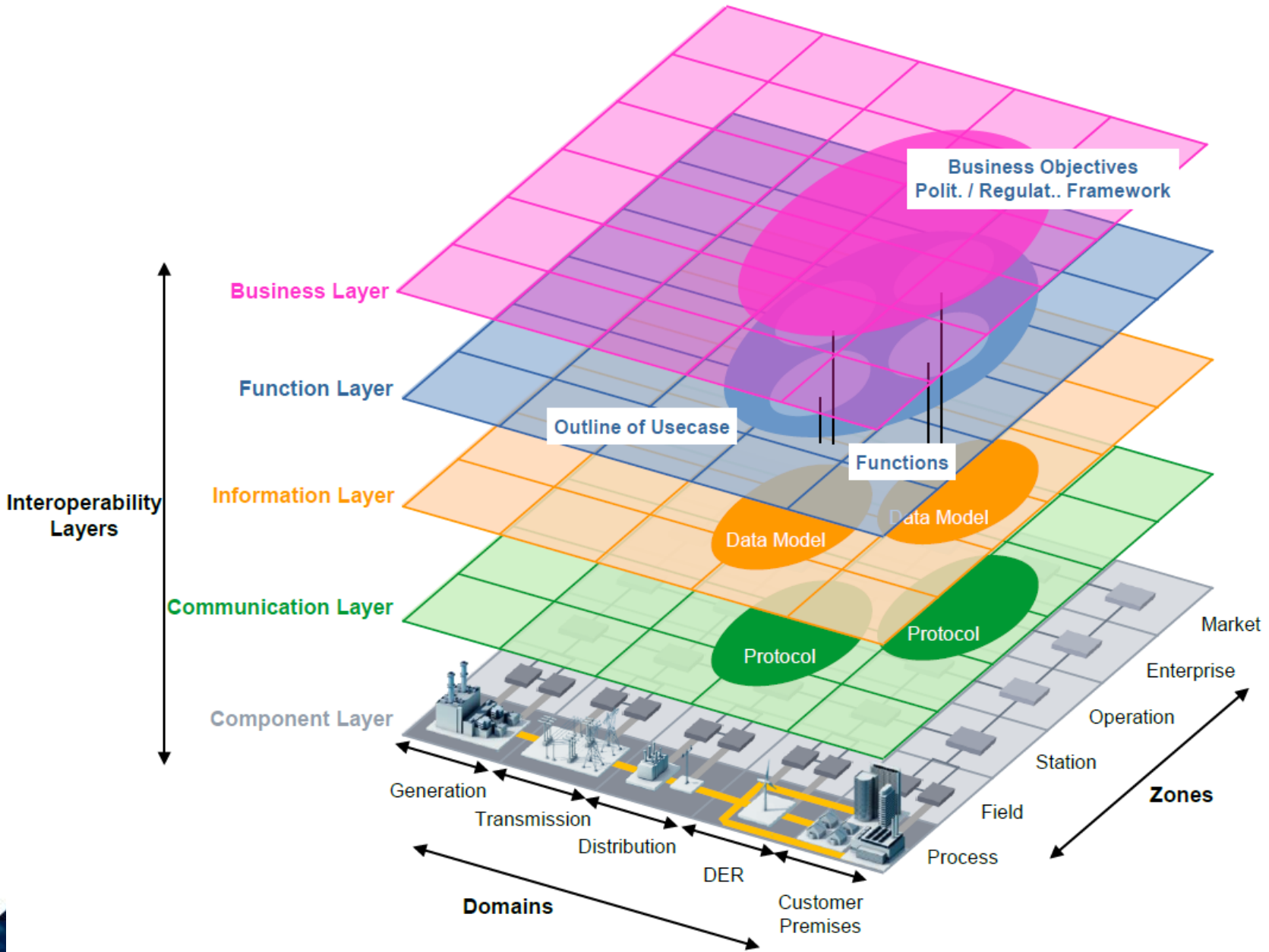
# Classification schemes and navigators for the Smart Grid

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# Classification schemes

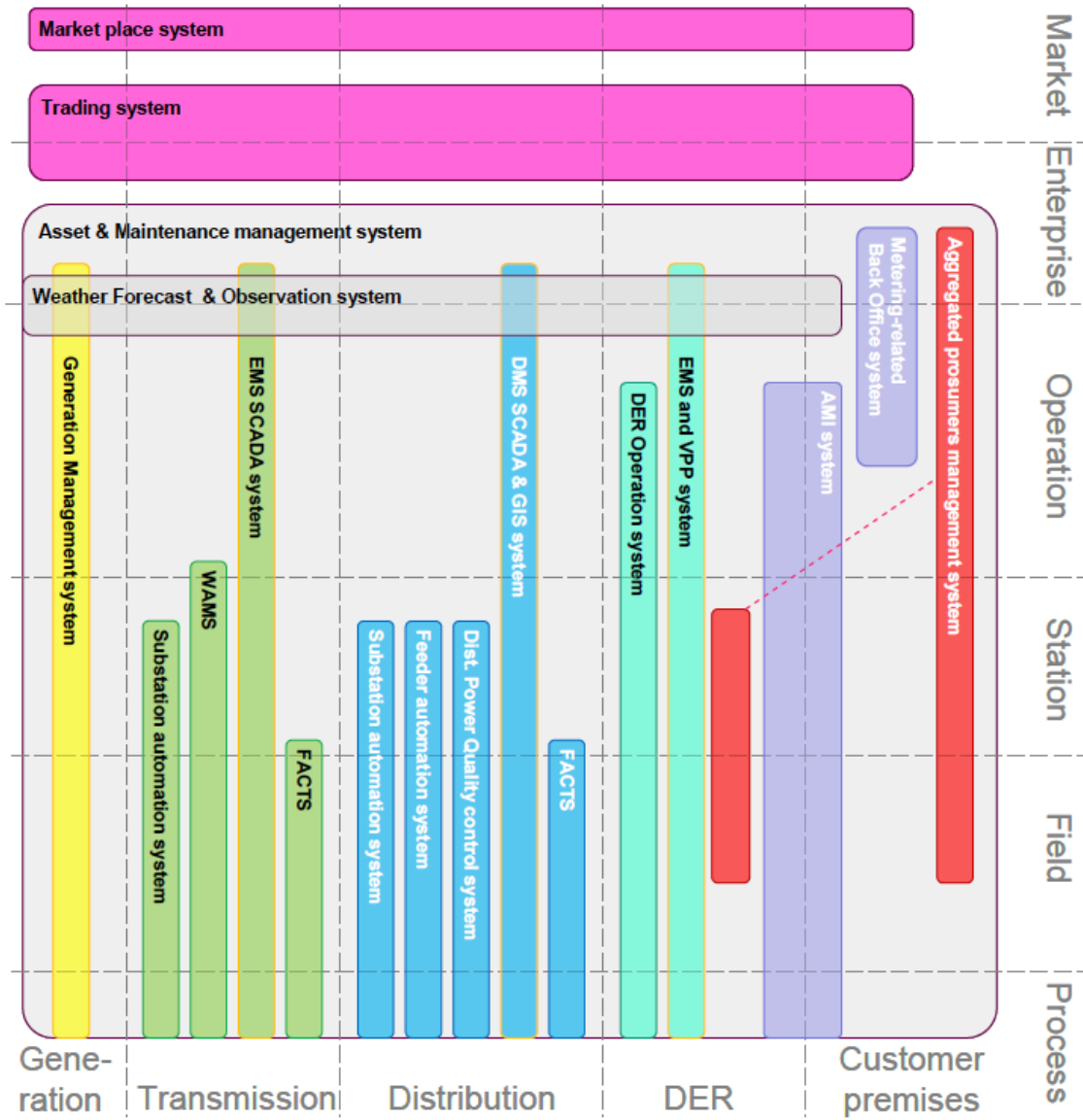
- Aim: find standardised description of the standards' scope.
- To be based on Use Case methodology?



# Classification scheme: Systems

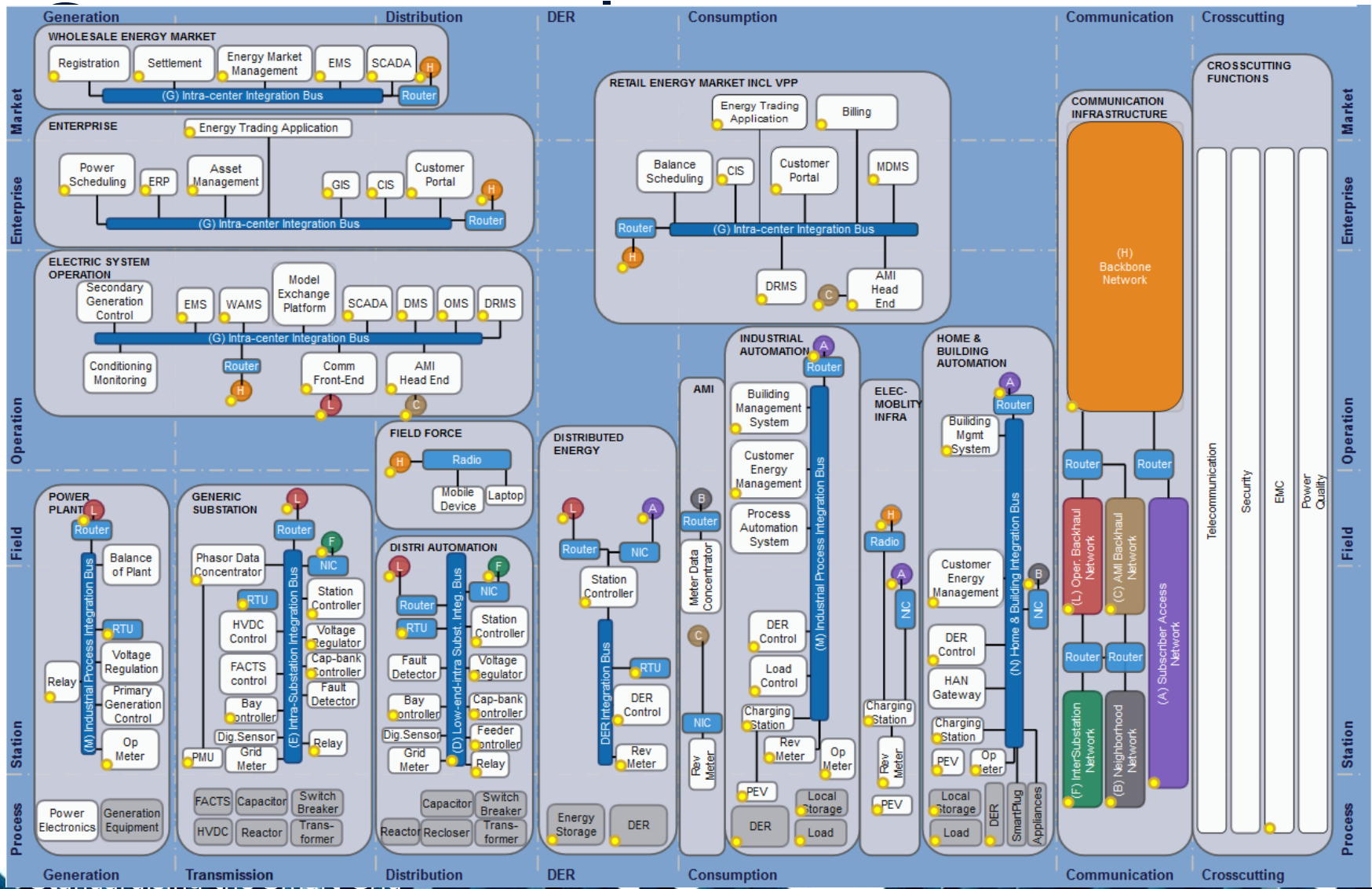
- Example 1: Smart Grid Architecture Model (SGAM)
- On a more detailed level: subdivision of SGAM plane into Smart Grid systems

# Classification scheme: Systems



- (incomplete) mapping of systems to SGAM plane
- each system is defined by a list of Use Cases

# Classification scheme:



# Navigators

- Aim: use classification scheme to identify relevant standards for a particular application

# Navigator: IEC mapping tool



[Welcome](#)
[Architecture View](#)
[Mapping View](#)
[User guide](#)

Component Information Communication

Not Classified Withdrawn Replaced

UserName  Password  [Login](#)





Selection

- Components
- Standards
- All Clusters (15)
- AUTOMATED METERING INFRASTRUCTURE**
  - AMI Backhaul Network
  - Meter Data Concentrator
  - Neighborhood Network
  - Network Interface Controller
  - Revenue Meter
  - Router
- COMMERCIAL HOME AUTOMATION**
  - Subscriber Access Network
  - Appliances**
  - Home & Building Integration Bus
  - Building Management System
  - Charging Station
  - Customer Energy Management
  - DER Control

COMMERCIAL HOME AUTOMATION

## Appliances

Appliances within buildings which are providing an interface to influence their consumption behavior

Id	Standards	Preview	Webstore
73	ASHRAE 135-2010		
72	IEC 62746		
74	ISO/IEC 14543 (all parts)		
75	ISO/IEC 27001		
76	NISTIR 7628		

5 Item(s)

Use Cases (From external world wide web)

Use Case Id	Use Cases
No records found.	





# Navigator: STARGRID tool (to come)

- Connect information on documents with committees and standardisation consortia
- Various search criteria: issuing organisations, document type, inventory references (e.g. First Set of Standards, IEC & NIST Roadmaps) publication date, SGAM, components

# Navigator: STARGRID tool (to come)

- Connect information from different sources & provide links to web pages of issuing organisations
- Publication planned mid 2014

# THANK YOU

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