How to ensure Interoperability if lot’s of different consortia are developing new proprietary solutions?
Our Intention - to achieve an overall world-wide connectivity approach!

First starting point
- Alignment of Data Model and Messages
- Common support of International Standards
- Project with EEBus & Energy@home started
- Energy related messages defined → SAREF
- Alignment with IEC/CENELEC TC59x (White Goods) running in parallel
- Alignment with AHAM running in parallel
- Alignment with HVAC, Electric Vehicles etc. running in parallel

Results a included in SAREF: a DG-Connect driven project, a first step to achieve a common Smart Appliance ontology
We base our work on the Common Architecture Model, developed by the Smart Grid Coordination Group (European Mandate M490)
We are defining a set of Smart Premises Interoperable Neutral Messages (SPINE)

... home- or cloud based
Definitions based on M490 and IEC/CLC Joint Working Group Use Case & Requirements

e.g. complex algorithms are necessary to ensure optimal resource usage.

Neutral Information can be exchanged via mappings to domain specific protocols.
We base our process on the SGAM Model, developed by the Smart Grid Coordination Group (European Mandate M490)

Status: Relevant documents, we have already finished or we are working on

- IEC 62746-2  →  IEC TC57 WG21
- IEC 62950  →  IEC TC59 WG15
- prEN 50491-12  →  CLC TC205 WG18
- prEN50631  →  CLC TC59x WG7

- IEC 62746-2
- prEN 50631-1-x

- prEN 50491-12
- prEN50631-1-x
- EEBus & E@h Data model

- prEN 50491-12
- prEN50631-1-x
- EEBus & E@h Data Models

- prEN50631-1-x
- EEBus & E@h messages

- prEN50631-4 mappings
  - SHIP&OIC Protocol
  - Alljoyn
  - Echonet lite
  - Other (upcoming) protocols
Josef Baumeister
BSH Hausgeraete GmbH, Munich

Josef.baumeister@bshg.com
+49 89 45905067