**PHASE MODEL**

**Phase 1**
- Specification development
- Use case definition and development of the technical implementation in the working groups
- Development supporting snapshot versions/XSDs are provided and binding
- Quality assurance through internal and member reviews
- System validation via plugfests
- Document access for members only

**Phase 2**
- Specification is in release status
- Beta test phase
- Editorial fine-tuning: eliminate double meanings and add missing information
- Errors are evaluated by the respective working group
- Error correction by errata or updated version
- Serving the relevant standardization committees

**Phase 3**
- Standards work and ongoing alignment with standardization bodies
- EEBUS Use Cases/SPINE is included in international standard and available to the public
- Publication of the international standard and reference to the EEBUS homepage

---

**EEBUS Members**
- active 3rd party testers (non-members*)

---

**Final standard available**

---

**Initial idea**

- Specification release available for beta-test

- ~12 months

- ~6 months

- 18-36 months

---

* Contact EEBUS to get 3rd party tester status

** DKE, DIN, CEN, Cenelec, ETSI, IEC, ISO
# MATURITY ASSESSMENT Q2/2019

## Initial idea
- **SHIP**: V1.0 released in 2015
- **SPINE**: V1.1 toolkit released in 2018
- **E-Mobility***: Use cases released in Q1/2019
- **HVAC***: Release planned for Q2-Q3/2019
- **Inverter/Battery***: Release planned for Q2-Q3/2019
- **Grid***: Release of “monitoring of grid connection point” planned in Q1

## Specification release available for beta-test
- **SHIP**: ✔
- **SPINE**: ✔
- **E-Mobility***: ✔
- **HVAC***: ✔
- **Inverter/Battery***: ✔
- **Grid***: ✔

## Phase 1
- ~12 months

## Phase 2
- ~6 months
- Public specification release available on EEBUS-homepage
- **SHIP**: ✔
- **SPINE**: ✔
- **E-Mobility***: ✔
- **HVAC***: ✔
- **Inverter/Battery***: ✔
- **Grid***: ✔

## Phase 3
- 18-36 months
- Final standard available

- **SHIP**: ✔
- **SPINE**: ✔
- **E-Mobility***: ✔
- **HVAC***: ✔
- **Inverter/Battery***: ✔
- **Grid***: ✔

### New use cases in all domains ongoing
- **SHIP** in ETSI TS 103 410-1
- **SPINE** in EN 50631

---

*New use cases in all domains ongoing*
RACI & OVERVIEW EEBUS SPECIFICATION PROCESS (ESP)

Market
- Requirements
- Uses Cases

Systems Engineering
- Concept
- Specification
- Review/Approval Process
- Review/Approval Process

Products
- Implementation
- WG-M
- E

Systems
- Plugfest
- WG-M
- WG-M

RACI Roles:
- R = Reviewer
- A = Approver
- C = Convener
- I = Implementer

Roles:
- WG-L = Working Group Lead
- WG-M = Working Group Member
- E = EEBUS Lead
- M = EEBUS Member

- EEBUS - The global language for energy in the Internet of Things

WG-L = Working Group Lead
WG-M = Working Group Member
E = EEBUS Lead
M = EEBUS Member
AGILE PROCESS & MILESTONES OF EEBUS RELEASES

Requirement Specification

Feedback Loop

Solution Specification

Feedback Loop

Implementation

Feedback Loop

Snapshots

Requirements Freeze

Beta Releases

Solution Freeze

Release Candidates

Plugfest

Final Releases

Requirement

User Stories

High-Level Use Case

Solution

EEBUS Use Case Specification

EEBUS SPINE Resource Specification

EEBUS SPINE Protocol Specification

EEBUS SHIP Specification

Implementation

Demos

Prototypes

Products