Technically competent work group: SIG Work Group, with support from Energistics Staff. Also, invited external subject experts, membership, marketplace, interested industry/organizations.

- SOL work groups, possibly in liaison with outside groups; or SAC (for assessing strategic candidate opportunities not already covered by an active Community).
- Subject area groups/SIG deployment support teams; support staff; product developers; solution deployers; end-users.

Energistics Standards Development Life Cycle

**STAGES**

- Identify and qualify opportunities (Stage 0)
- Activity planning (Stage 1)
- Requirements (Stage 2)
- Draft specifications (Stage 3)
- Final specifications (Stage 4)
- Early Adoption (Stage 5)
- Full Adoption (Stage 6)
- Retirement (Stage 7)
- Effectiveness (Stage 8)
- Discovery (Stage 9)

**Activities**

1. **Discovery:**
   - Identify and qualify opportunities (Stage 0)
   - Plan stages 2 -9
   - Produce workflows
   - Produce draft/initial requirements document
   - Produce high-level specification (document of concept)
   - Describe business value (product愿景)
   - Define marketplace
   - Identify and qualify opportunities
   - Plan stages 2-9
   - Produce workflows
   - Produce draft/initial requirements document
   - Produce high-level specification (document of concept)
   - Describe business value (product愿景)
   - Define marketplace
   - Identify and qualify opportunities
   - Plan stages 2-9
   - Produce workflows
   - Produce draft/initial requirements document
   - Produce high-level specification (document of concept)
   - Describe business value (product愿景)
   - Define marketplace
   - Identify and qualify opportunities
   - Plan stages 2-9

2. **Planning & analysis new opportunities (Stage 1):**
   - Identify and qualify opportunities (Stage 0)
   - Plan stages 2 -9
   - Produce workflows
   - Produce draft/initial requirements document
   - Produce high-level specification (document of concept)
   - Describe business value (product愿景)
   - Define marketplace
   - Identify and qualify opportunities
   - Plan stages 2-9
   - Produce workflows
   - Produce draft/initial requirements document
   - Produce high-level specification (document of concept)
   - Describe business value (product愿景)
   - Define marketplace
   - Identify and qualify opportunities
   - Plan stages 2-9
   - Produce workflows
   - Produce draft/initial requirements document
   - Produce high-level specification (document of concept)
   - Describe business value (product愿景)
   - Define marketplace
   - Identify and qualify opportunities
   - Plan stages 2-9

3. **Requirements (Stage 2):**
   - Identify and qualify opportunities (Stage 0)
   - Plan stages 2 -9
   - Produce workflows
   - Produce draft/initial requirements document
   - Produce high-level specification (document of concept)
   - Describe business value (product愿景)
   - Define marketplace
   - Identify and qualify opportunities
   - Plan stages 2-9
   - Produce workflows
   - Produce draft/initial requirements document
   - Produce high-level specification (document of concept)
   - Describe business value (product愿景)
   - Define marketplace
   - Identify and qualify opportunities
   - Plan stages 2-9
   - Produce workflows
   - Produce draft/initial requirements document
   - Produce high-level specification (document of concept)
   - Describe business value (product愿景)
   - Define marketplace
   - Identify and qualify opportunities
   - Plan stages 2-9

4. **Draft specifications (Stage 3):**
   - Identify and qualify opportunities (Stage 0)
   - Plan stages 2 -9
   - Produce workflows
   - Produce draft/initial requirements document
   - Produce high-level specification (document of concept)
   - Describe business value (product愿景)
   - Define marketplace
   - Identify and qualify opportunities
   - Plan stages 2-9
   - Produce workflows
   - Produce draft/initial requirements document
   - Produce high-level specification (document of concept)
   - Describe business value (product愿景)
   - Define marketplace
   - Identify and qualify opportunities
   - Plan stages 2-9
   - Produce workflows
   - Produce draft/initial requirements document
   - Produce high-level specification (document of concept)
   - Describe business value (product愿景)
   - Define marketplace
   - Identify and qualify opportunities
   - Plan stages 2-9

5. **Final specifications (Stage 4):**
   - Identify and qualify opportunities (Stage 0)
   - Plan stages 2 -9
   - Produce workflows
   - Produce draft/initial requirements document
   - Produce high-level specification (document of concept)
   - Describe business value (product愿景)
   - Define marketplace
   - Identify and qualify opportunities
   - Plan stages 2-9
   - Produce workflows
   - Produce draft/initial requirements document
   - Produce high-level specification (document of concept)
   - Describe business value (product愿景)
   - Define marketplace
   - Identify and qualify opportunities
   - Plan stages 2-9
   - Produce workflows
   - Produce draft/initial requirements document
   - Produce high-level specification (document of concept)
   - Describe business value (product愿景)
   - Define marketplace
   - Identify and qualify opportunities
   - Plan stages 2-9

6. **Early Adoption (Stage 5):**
   - Identify and qualify opportunities (Stage 0)
   - Plan stages 2 -9
   - Produce workflows
   - Produce draft/initial requirements document
   - Produce high-level specification (document of concept)
   - Describe business value (product愿景)
   - Define marketplace
   - Identify and qualify opportunities
   - Plan stages 2-9
   - Produce workflows
   - Produce draft/initial requirements document
   - Produce high-level specification (document of concept)
   - Describe business value (product愿景)
   - Define marketplace
   - Identify and qualify opportunities
   - Plan stages 2-9
   - Produce workflows
   - Produce draft/initial requirements document
   - Produce high-level specification (document of concept)
   - Describe business value (product愿景)
   - Define marketplace
   - Identify and qualify opportunities
   - Plan stages 2-9

7. **Full Adoption (Stage 6):**
   - Identify and qualify opportunities (Stage 0)
   - Plan stages 2 -9
   - Produce workflows
   - Produce draft/initial requirements document
   - Produce high-level specification (document of concept)
   - Describe business value (product愿景)
   - Define marketplace
   - Identify and qualify opportunities
   - Plan stages 2-9
   - Produce workflows
   - Produce draft/initial requirements document
   - Produce high-level specification (document of concept)
   - Describe business value (product愿景)
   - Define marketplace
   - Identify and qualify opportunities
   - Plan stages 2-9
   - Produce workflows
   - Produce draft/initial requirements document
   - Produce high-level specification (document of concept)
   - Describe business value (product愿景)
   - Define marketplace
   - Identify and qualify opportunities
   - Plan stages 2-9

8. **Retirement (Stage 7):**
   - Identify and qualify opportunities (Stage 0)
   - Plan stages 2 -9
   - Produce workflows
   - Produce draft/initial requirements document
   - Produce high-level specification (document of concept)
   - Describe business value (product愿景)
   - Define marketplace
   - Identify and qualify opportunities
   - Plan stages 2-9
   - Produce workflows
   - Produce draft/initial requirements document
   - Produce high-level specification (document of concept)
   - Describe business value (product愿景)
   - Define marketplace
   - Identify and qualify opportunities
   - Plan stages 2-9
   - Produce workflows
   - Produce draft/initial requirements document
   - Produce high-level specification (document of concept)
   - Describe business value (product愿景)
   - Define marketplace
   - Identify and qualify opportunities
   - Plan stages 2-9

9. **Effectiveness (Stage 8):**
   - Identify and qualify opportunities (Stage 0)
   - Plan stages 2 -9
   - Produce workflows
   - Produce draft/initial requirements document
   - Produce high-level specification (document of concept)
   - Describe business value (product愿景)
   - Define marketplace
   - Identify and qualify opportunities
   - Plan stages 2-9
   - Produce workflows
   - Produce draft/initial requirements document
   - Produce high-level specification (document of concept)
   - Describe business value (product愿景)
   - Define marketplace
   - Identify and qualify opportunities
   - Plan stages 2-9
   - Produce workflows
   - Produce draft/initial requirements document
   - Produce high-level specification (document of concept)
   - Describe business value (product愿景)
   - Define marketplace
   - Identify and qualify opportunities
   - Plan stages 2-9

10. **Discovery (Stage 9):**
    - Identify and qualify opportunities (Stage 0)
    - Plan stages 2 -9
    - Produce workflows
    - Produce draft/initial requirements document
    - Produce high-level specification (document of concept)
    - Describe business value (product愿景)
    - Define marketplace
    - Identify and qualify opportunities
    - Plan stages 2-9
    - Produce workflows
    - Produce draft/initial requirements document
    - Produce high-level specification (document of concept)
    - Describe business value (product愿景)
    - Define marketplace
    - Identify and qualify opportunities
    - Plan stages 2-9
    - Produce workflows
    - Produce draft/initial requirements document
    - Produce high-level specification (document of concept)
    - Describe business value (product愿景)
    - Define marketplace
    - Identify and qualify opportunities
    - Plan stages 2-9

**Activities and Interactions**

**Discovery**

**Activities:**
- Communicate organizational strategy
- Translate & harmonize solutions
- Identify development opportunities
- Define development requirements
- Define marketplace
- Identify & qualify opportunities
- Plan stages 2-9

**Goals:**
- Strategic alignment
- Organizational acceptance
- Member loyalty
- Cost reductions & improvements
- Product extensions
- Finding ways to improve adoption
-使ってはいかがですか？
- Set objectives & questions
- Measure success against defined objectives & questions raised during this stage

**Outputs:**
- Specification meeting community requirements
- Monitor development
- Rationalize & harmonize solutions
- Monitor deployment & implementation
- Review & monitor performance, validation & pilots
- Facilitate design, developments, revisions, validation and pilots
- Provide solution to business problem
- Achieve community requirements
- Ensure specifications meet requirements
- No errors or gaps
- More efficient & effective business

**Success Criteria:**
- Specifications meet community requirements
- Development:
  - Organizational alignment
  - Design, development & deployment

**Inputs:**
- Specifications
- Development plans
- Community requirements

**Roles:**
- SIGs
- Other Work Groups
- Communications & Marketing
- SAC (if strategic)

**Outputs:**
- Specification meeting community requirements
- Monitor development
- Rationalize & harmonize solutions
- Monitor deployment & implementation
- Review & monitor performance, validation & pilots
- Facilitate design, developments, revisions, validation and pilots
- Provide solution to business problem
- Achieve community requirements
- Ensure specifications meet requirements
- No errors or gaps
- More efficient & effective business

**Success Criteria:**
- Specifications meet community requirements
- Development:
  - Organizational alignment
  - Design, development & deployment

**Inputs:**
- Specifications
- Development plans
- Community requirements

**Roles:**
- SIGs
- Other Work Groups
- Communications & Marketing
- SAC (if strategic)

**Outputs:**
- Specification meeting community requirements
- Monitor development
- Rationalize & harmonize solutions
- Monitor deployment & implementation
- Review & monitor performance, validation & pilots
- Facilitate design, developments, revisions, validation and pilots
- Provide solution to business problem
- Achieve community requirements
- Ensure specifications meet requirements
- No errors or gaps
- More efficient & effective business

**Success Criteria:**
- Specifications meet community requirements
- Development:
  - Organizational alignment
  - Design, development & deployment

**Inputs:**
- Specifications
- Development plans
- Community requirements

**Roles:**
- SIGs
- Other Work Groups
- Communications & Marketing
- SAC (if strategic)

Updated: December 2009