



NBility-business-capabilities-EN

30 Apr 2024 12:48:41

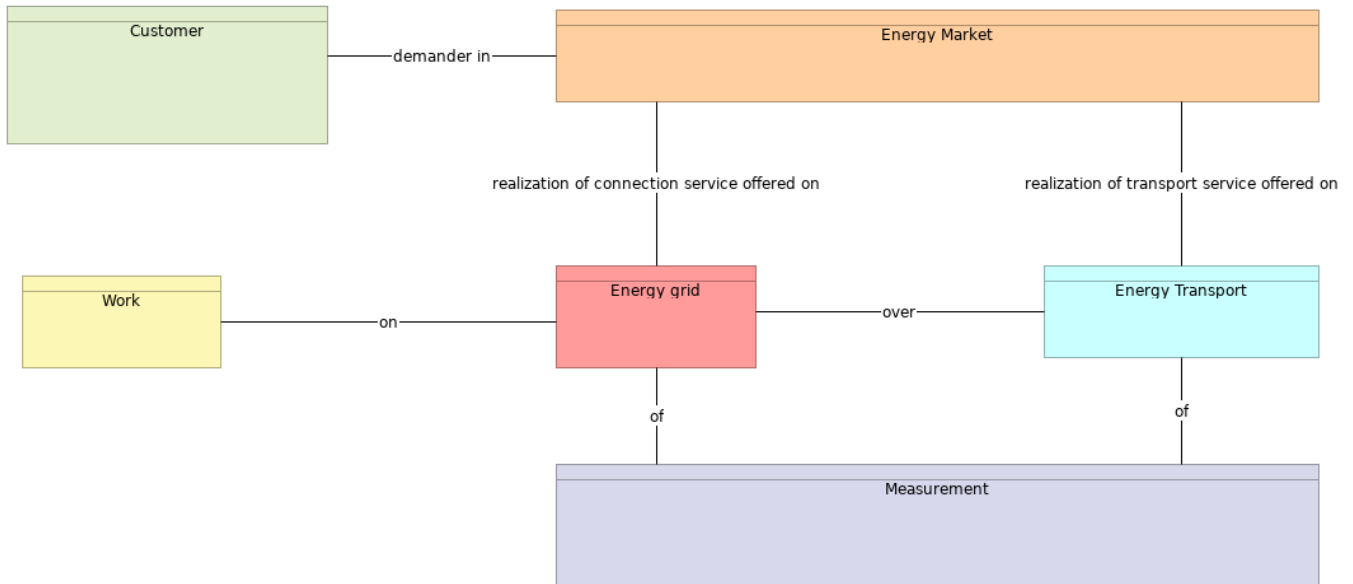
Purpose

NBility is a comprehensive capability model designed specifically for grid operators. Its purpose is to streamline collaboration within the utility sector, including interactions between grid operators and their suppliers or advisors. The model comprises three main components: a capability model, an associated business object model, and a value stream model, all of which work together to enhance operational efficiency and communication. The maintenance and development of the NBility model are overseen by the Dutch Distribution System Operators (EDSN). Additionally, the formation of a User Group is underway, which aims to foster a community where NBility users can share insights, experiences, and propose enhancements to the model. The NBility model is available under the Creative Commons Attribution 4.0 International Public License (CC-BY-4.0), allowing for widespread use and adaptation within the guidelines of this license. For further information, resources, and updates on the NBility model, please visit our websites at <https://www.edsn.nl/nbility-model/> and <https://github.com/NBility-Model>. These platforms provide comprehensive details and access to the model, facilitating its adoption and implementation within the utility sector.

Views

Business Objects Level 1

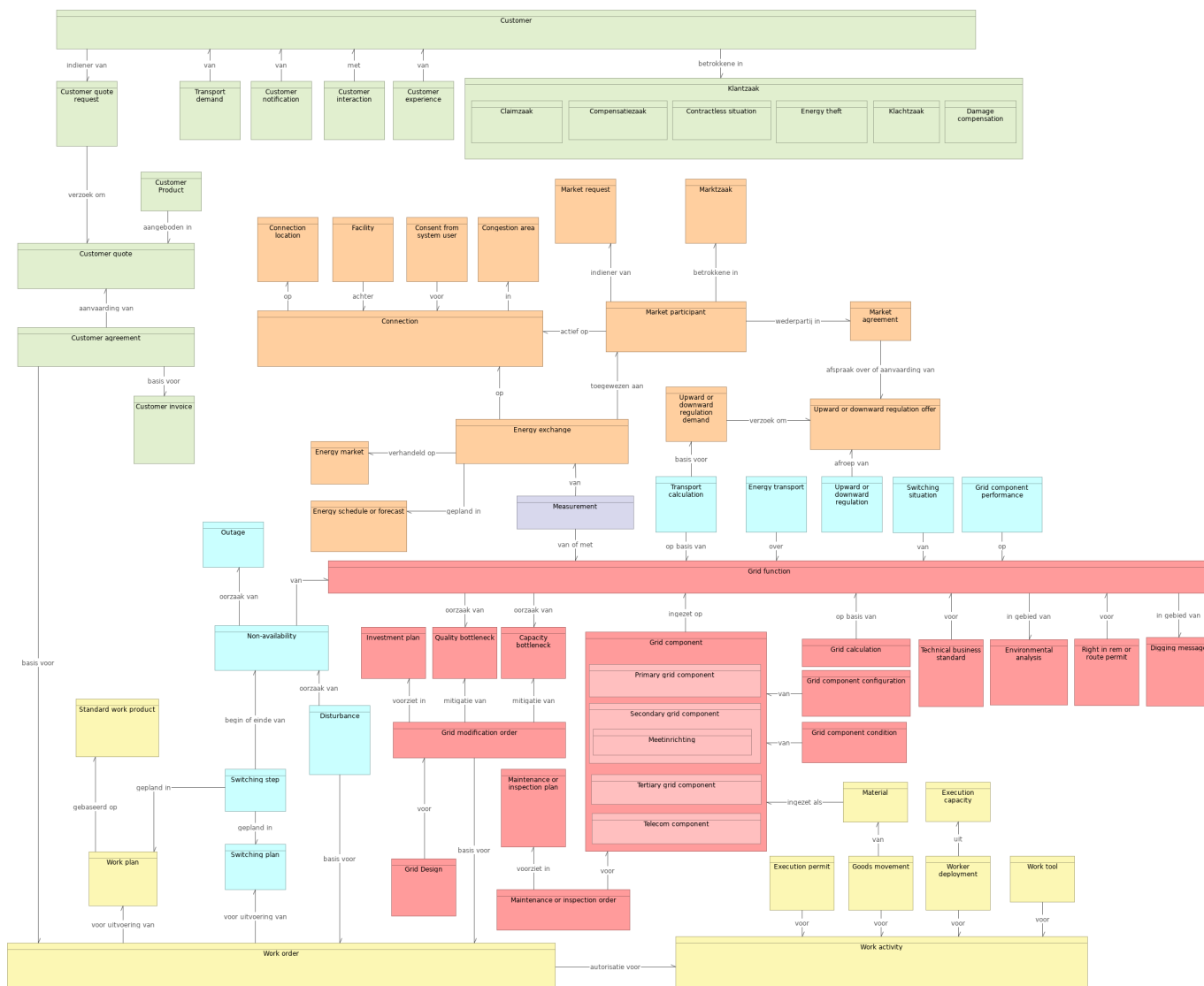
No viewpoint



Elements

| Element | Type |
|------------------|-----------------|
| Customer | Business Object |
| Energy grid | Business Object |
| Energy Market | Business Object |
| Energy Transport | Business Object |
| Measurement | Business Object |
| Work | Business Object |

No viewpoint



Elements

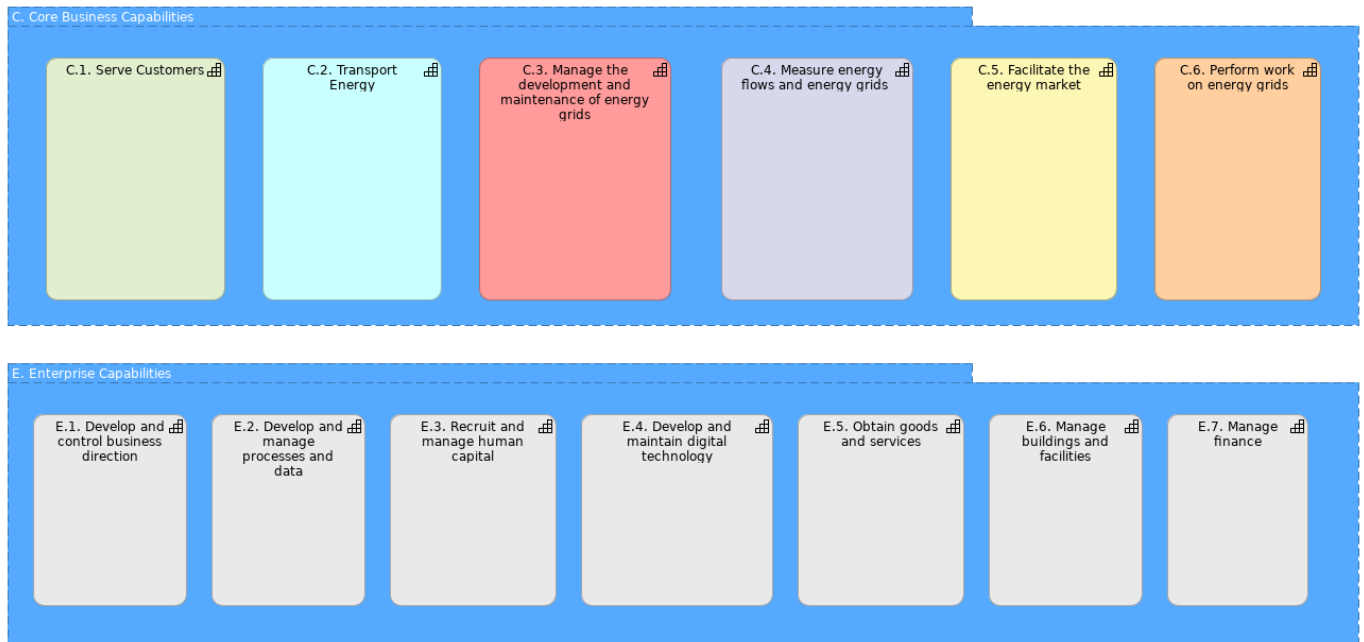
| Element | Type |
|--------------------------|-----------------|
| Capacity bottleneck | Business Object |
| Claimzaak | Business Object |
| Compensatiezaak | Business Object |
| Congestion area | Business Object |
| Connection | Business Object |
| Connection location | Business Object |
| Consent from system user | Business Object |
| Contractless situation | Business Object |
| Customer | Business Object |
| Customer agreement | Business Object |
| Customer experience | Business Object |
| Customer interaction | Business Object |
| Customer invoice | Business Object |

| Element | Type |
|---------------------------------|-----------------|
| Customer notification | Business Object |
| Customer Product | Business Object |
| Customer quote | Business Object |
| Customer quote request | Business Object |
| Damage compensation | Business Object |
| Digging message | Business Object |
| Disturbance | Business Object |
| Energy exchange | Business Object |
| Energy market | Business Object |
| Energy schedule or forecast | Business Object |
| Energy theft | Business Object |
| Energy transport | Business Object |
| Environmental analysis | Business Object |
| Execution capacity | Business Object |
| Execution permit | Business Object |
| Facility | Business Object |
| Goods movement | Business Object |
| Grid calculation | Business Object |
| Grid component | Business Object |
| Grid component condition | Business Object |
| Grid component configuration | Business Object |
| Grid component performance | Business Object |
| Grid Design | Business Object |
| Grid function | Business Object |
| Grid modification order | Business Object |
| Investment plan | Business Object |
| Klachtzaak | Business Object |
| Klantzaak | Business Object |
| Maintenance or inspection order | Business Object |
| Maintenance or inspection plan | Business Object |
| Market agreement | Business Object |
| Market participant | Business Object |
| Market request | Business Object |
| Marktzaak | Business Object |
| Material | Business Object |
| Measurement | Business Object |
| Meetinrichting | Business Object |
| Non-availability | Business Object |
| Outage | Business Object |
| Primary grid component | Business Object |
| Quality bottleneck | Business Object |
| Right in rem or route permit | Business Object |
| Secondary grid component | Business Object |
| Standard work product | Business Object |

| Element | Type |
|--------------------------------------|-----------------|
| Switching plan | Business Object |
| Switching situation | Business Object |
| Switching step | Business Object |
| Technical business standard | Business Object |
| Telecom component | Business Object |
| Tertiary grid component | Business Object |
| Transport calculation | Business Object |
| Transport demand | Business Object |
| Upward or downward regulation | Business Object |
| Upward or downward regulation demand | Business Object |
| Upward or downward regulation offer | Business Object |
| Work activity | Business Object |
| Work order | Business Object |
| Work plan | Business Object |
| Work tool | Business Object |
| Worker deployment | Business Object |

Capabilities on Level 1

No viewpoint

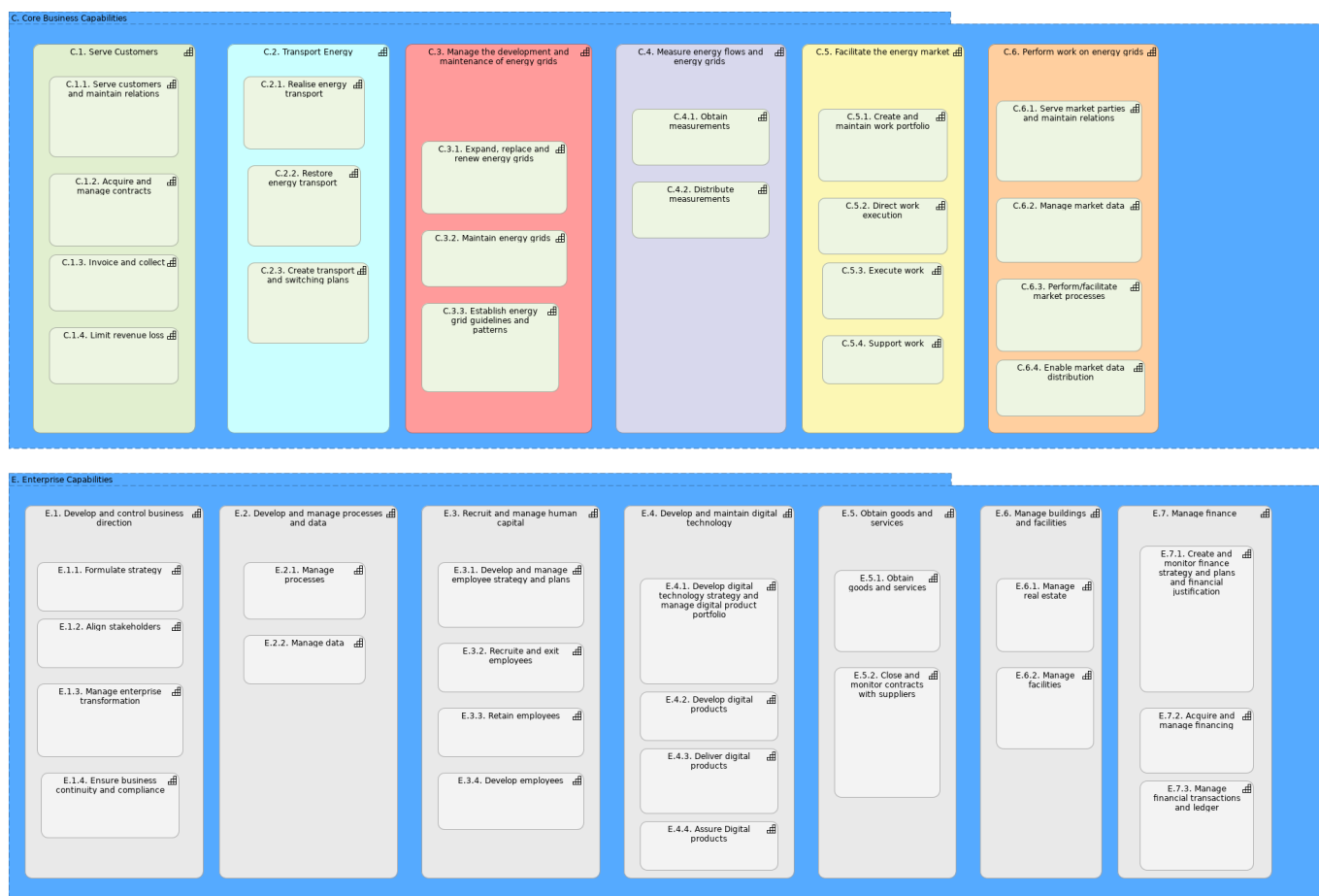


Elements

| Element | Type |
|---|------------|
| C. Core Business Capabilities | Grouping |
| C.1. Serve Customers | Capability |
| C.2. Transport Energy | Capability |
| C.3. Manage the development and maintenance of energy grids | Capability |
| C.4. Measure energy flows and energy grids | Capability |
| C.5. Facilitate the energy market | Capability |
| C.6. Perform work on energy grids | Capability |
| E. Enterprise Capabilities | Grouping |
| E.1. Develop and control business direction | Capability |
| E.2. Develop and manage processes and data | Capability |
| E.3. Recruit and manage human capital | Capability |
| E.4. Develop and maintain digital technology | Capability |
| E.5. Obtain goods and services | Capability |
| E.6. Manage buildings and facilities | Capability |
| E.7. Manage finance | Capability |

Capabilities on Level 1 and 2

No viewpoint



Elements

| Element | Type |
|---|------------|
| C. Core Business Capabilities | Grouping |
| C.1. Serve Customers | Capability |
| C.1.1. Serve customers and maintain relations | Capability |
| C.1.2. Acquire and manage contracts | Capability |
| C.1.3. Invoice and collect | Capability |
| C.1.4. Limit revenue loss | Capability |
| C.2. Transport Energy | Capability |
| C.2.1. Realise energy transport | Capability |
| C.2.2. Restore energy transport | Capability |
| C.2.3. Create transport and switching plans | Capability |
| C.3. Manage the development and maintenance of energy grids | Capability |
| C.3.1. Expand, replace and renew energy grids | Capability |
| C.3.2. Maintain energy grids | Capability |
| C.3.3. Establish energy grid guidelines and patterns | Capability |
| C.4. Measure energy flows and energy grids | Capability |
| C.4.1. Obtain measurements | Capability |

| Element | Type |
|--|------------|
| C.4.2. Distribute measurements | Capability |
| C.5. Facilitate the energy market | Capability |
| C.5.1. Create and maintain work portfolio | Capability |
| C.5.2. Direct work execution | Capability |
| C.5.3. Execute work | Capability |
| C.5.4. Support work | Capability |
| C.6. Perform work on energy grids | Capability |
| C.6.1. Serve market parties and maintain relations | Capability |
| C.6.2. Manage market data | Capability |
| C.6.3. Perform/facilitate market processes | Capability |
| C.6.4. Enable market data distribution | Capability |
| E. Enterprise Capabilities | Grouping |
| E.1. Develop and control business direction | Capability |
| E.1.1. Formulate strategy | Capability |
| E.1.2. Align stakeholders | Capability |
| E.1.3. Manage enterprise transformation | Capability |
| E.1.4. Ensure business continuity and compliance | Capability |
| E.2. Develop and manage processes and data | Capability |
| E.2.1. Manage processes | Capability |
| E.2.2. Manage data | Capability |
| E.3. Recruit and manage human capital | Capability |
| E.3.1. Develop and manage employee strategy and plans | Capability |
| E.3.2. Recruit and exit employees | Capability |
| E.3.3. Retain employees | Capability |
| E.3.4. Develop employees | Capability |
| E.4. Develop and maintain digital technology | Capability |
| E.4.1. Develop digital technology strategy and manage digital product portfolio | Capability |
| E.4.2. Develop digital products | Capability |
| E.4.3. Deliver digital products | Capability |
| E.4.4. Assure Digital products | Capability |
| E.5. Obtain goods and services | Capability |
| E.5.1. Obtain goods and services | Capability |
| E.5.2. Close and monitor contracts with suppliers | Capability |
| E.6. Manage buildings and facilities | Capability |
| E.6.1. Manage real estate | Capability |
| E.6.2. Manage facilities | Capability |
| E.7. Manage finance | Capability |
| E.7.1. Create and monitor finance strategy and plans and financial justification | Capability |
| E.7.2. Acquire and manage financing | Capability |
| E.7.3. Manage financial transactions and ledger | Capability |



Capabilities on Level 1, 2 and 3

No viewpoint



Elements

| Element | Type |
|--|------------|
| C. Core Capabilities | Grouping |
| C.1. Serve Customers | Capability |
| C.1.1. Serve customers and maintain relations | Capability |
| C.1.1.1 Provide service to customers | Capability |
| C.1.1.2. Handle customer report/question/request | Capability |
| C.1.1.3 Determine contact person/responsible person for location | Capability |
| C.1.1.4. Maintain relationship with customers | Capability |
| C.1.1.5 Collect energy demand | Capability |
| C.1.2. Acquire and manage contracts | Capability |
| C.1.2.1. Quote products to customers | Capability |
| C.1.2.2. Close, adjust, manage and terminate contracts/SLAs | Capability |
| C.1.2.3. Develop and manage products and services | Capability |
| C.1.3. Invoice and collect | Capability |

| Element | Type |
|--|------------|
| C.1.3.1. Calculate compensation for services rendered | Capability |
| C.1.3.2. Create and send invoice | Capability |
| C.1.3.3. Manage and collect outstanding debts | Capability |
| C.1.4. Limit revenue loss | Capability |
| C.1.4.1. Claim damage caused by third parties | Capability |
| C.1.4.2. Determine disturbance compensation | Capability |
| C.1.4.3. Determine compensation for damage caused by work activities | Capability |
| C.1.4.4. Monitor and reduce connections without contract | Capability |
| C.1.4.5. Fight fraud | Capability |
| C.2. Transport Energy | Capability |
| C.2.1. Realise energy transport | Capability |
| C.2.1.1. Monitor energy transport | Capability |
| C.2.1.2 Monitor the operation of grid components | Capability |
| C.2.1.3 Control energy transport | Capability |
| C.2.1.4. Commission/decommission energy grids on distance | Capability |
| C.2.1.5. Include energy grids in the control of energy transport | Capability |
| C.2.2. Restore energy transport | Capability |
| C.2.2.1. Classify disturbances | Capability |
| C.2.2.2. Assign disturbances | Capability |
| C.2.2.3. Analyse disturbances | Capability |
| C.2.2.4. Recover from disturbances and outages | Capability |
| C.2.2.5. Initiate permanent disturbance recovery | Capability |
| C.2.3. Create transport and switching plans | Capability |
| C.2.3.1. Plan and analyse transport | Capability |
| C.2.3.2. Determine impact of (planned) outages | Capability |
| C.2.3.3. Create switching plans | Capability |
| C.3. Manage the development and maintenance of energy grids | Capability |
| C.3.1. Expand, replace and renew energy grids | Capability |
| C.3.1.1. Collect and analyse/simulate (changed) needs for capacity and functionality | Capability |
| C.3.1.2. Determine and value grid risks on capacity and/or functionality | Capability |
| C.3.1.3. Analyse alternatives for mitigation risk on capacity and/or functionality and determine mitigation measures | Capability |
| C.3.1.4. (Long-term) plan measures on capacity and/or functionality | Capability |
| C.3.1.5. Create Functional requirements/design | Capability |
| C.3.1.6. Perform environmental analysis | Capability |
| C.3.1.7. Obtain route permits / lay down right in rem | Capability |
| C.3.1.8. Issue, monitor and record grid | Capability |

| Element | Type |
|--|------------|
| adjustments | |
| C.3.2. Maintain energy grids | Capability |
| C.3.2.1. Inventorise and analyse grid and grid component status | Capability |
| C.3.2.2. Determine and value grid risks on quality | Capability |
| C.3.2.3. Analyse alternatives to mitigate quality risk and determine mitigating measures | Capability |
| C.3.2.4. Determine (multi-)year planning for maintenance and inspections | Capability |
| C.3.2.5. Provide and monitor maintenance and inspection orders | Capability |
| C.3.2.6. Investigate malfunctions | Capability |
| C.3.2.7. Prevent excavation damage | Capability |
| C.3.2.8. Purchase and minimize technical grid loss | Capability |
| C.3.3. Establish energy grid guidelines and patterns | Capability |
| C.3.3.1. Develop a vision on energy grids | Capability |
| C.3.3.2. Identify strategic risks on energy grids | Capability |
| C.3.3.3. Develop strategy on energy grids | Capability |
| C.3.3.4. Develop and maintain policies and standards on energy grids | Capability |
| C.3.3.5. Develop grid components | Capability |
| C.3.3.6. Translate external regulations into guidelines | Capability |
| C.4. Measure energy flows and energy grids | Capability |
| C.4.1. Obtain measurements | Capability |
| C.4.1.1. Perceive energy flows and energy grids and transform into measurements | Capability |
| C.4.1.2. Collect measurements | Capability |
| C.4.1.3. Make measurements interpretable | Capability |
| C.4.1.4. Validate measurements | Capability |
| C.4.2. Distribute measurements | Capability |
| C.4.2.1. Make measurements available immediately | Capability |
| C.4.2.2. Make measurements available on demand | Capability |
| C.5. Facilitate the energy market | Capability |
| C.5.1. Create and maintain work portfolio | Capability |
| C.5.1.1. Prepare and maintain work portfolio | Capability |
| C.5.2. Direct work execution | Capability |
| C.5.2.1. Advise clients on work | Capability |
| C.5.2.2. Issue work to execution | Capability |
| C.5.2.3. Coordinate work execution | Capability |
| C.5.2.4. Evaluate work execution | Capability |
| C.5.3. Execute work | Capability |
| C.5.3.1. Create preliminary and final design of energy grids | Capability |
| C.5.3.2. Prepare execution of work | Capability |

| Element | Type |
|---|------------|
| C.5.3.3. Operationally plan work | Capability |
| C.5.3.4. Secure the work environment | Capability |
| C.5.3.5. Execute work | Capability |
| C.5.3.6. Commission and decommission grid components on premises | Capability |
| C.5.3.7. Complete work on energy grid components administratively | Capability |
| C.5.4. Support work | Capability |
| C.5.4.1. Create and manage standard construction specifications | Capability |
| C.5.4.2. Manage execution capacity | Capability |
| C.5.4.3. Manage warehouses and stock | Capability |
| C.5.4.4. Distribute goods physically | Capability |
| C.5.4.5. Maintain equipment | Capability |
| C.6. Perform work on energy grids | Capability |
| C.6.1. Serve market parties and maintain relations | Capability |
| C.6.1.1. Maintain relations with market parties | Capability |
| C.6.1.2. Handle questions of market parties | Capability |
| C.6.1.3. Close contracts for market services | Capability |
| C.6.1.4. Manage energy markets | Capability |
| C.6.2. Manage market data | Capability |
| C.6.2.1. Manage energy grid connections | Capability |
| C.6.2.2. Manage installations behind connections | Capability |
| C.6.2.3. Manage congestion areas | Capability |
| C.6.3. Perform/facilitate market processes | Capability |
| C.6.3.1. Execute energy market procedures | Capability |
| C.6.3.2. Exchange energy predictions | Capability |
| C.6.3.3. Determine energy exchange | Capability |
| C.6.3.4. Allocate energy exchange to market parties | Capability |
| C.6.3.5. Communicate upward or downward regulation demand | Capability |
| C.6.3.6. Manage upward or downward regulation bids | Capability |
| C.6.4. Enable market data distribution | Capability |
| C.6.4.1. Make market data available to parties | Capability |
| C.6.4.2. Make open data available for third parties | Capability |
| C.6.4.3. Manage issued permissions | Capability |
| E. 1.1.1. Research and analyse the market | Capability |
| E. 1.1.2. Define and position brand | Capability |
| E. 1.1.3. Determine strategy | Capability |
| E. 1.1.4. Develop business plan | Capability |
| E. 1.1.5. Monitor business performance | Capability |
| E. 1.2.1. Inform and manage stakeholders | Capability |
| E. 1.2.2. Monitor and influence laws and regulations | Capability |

| Element | Type |
|---|------------|
| E. 1.2.3. Develop industry collaboration | Capability |
| E. 1.2.4. Provide external accountability | Capability |
| E. 1.3.1. Define enterprise architecture | Capability |
| E. 1.3.2. Develop change portfolio / develop a roadmap | Capability |
| E. 1.3.3 Manage change portfolio items | Capability |
| E. 1.3.4. Manage research and innovation | Capability |
| E. 1.4.1. Collect and monitor strategic risks | Capability |
| E. 1.4.2. Manage information security | Capability |
| E. 1.4.3. Manage privacy | Capability |
| E. 1.4.4. Manage business continuity | Capability |
| E. 1.4.5. Monitor and adjust personal safety, health, environment and quality | Capability |
| E. 1.4.6. Manage legal affairs | Capability |
| E. 1.4.7. Manage crises | Capability |
| E. 2.1.1. Define and improve processes | Capability |
| E. 2.1.2. Orchestrate processes | Capability |
| E. 2.2.1. Define and maintain data | Capability |
| E. 2.2.2. Assure data quality | Capability |
| E. 2.2.3. Unlock data | Capability |
| E. 2.2.4. Create and maintain data analytic models | Capability |
| E. 2.2.5. Archive data | Capability |
| E. 3.1.1. Develop and manage employee strategy | Capability |
| E. 3.1.2. Develop and manage employee plans | Capability |
| E. 3.1.3. Design and transform organisation | Capability |
| E. 3.2.1. Recruit and select employees | Capability |
| E. 3.2.2. Contract employees | Capability |
| E. 3.2.3. Exit employees | Capability |
| E. 3.3.1. Manage the relation with employees | Capability |
| E. 3.3.2. Manage employee (re)assignment | Capability |
| E. 3.3.3. Reward employees | Capability |
| E. 3.3.4. Manage sick leave | Capability |
| E. 3.3.5. Account for leave | Capability |
| E. 3.4.1. Manage employee performance | Capability |
| E. 3.4.2. Educate and certificate employees | Capability |
| E. 3.4.3. Realise sustainable employability | Capability |
| E. 4.1.1. Develop and manage digital technology strategy | Capability |
| E. 4.1.2. Manage digital product portfolio | Capability |
| E. 4.2.1. Create, adjust and remove digital products | Capability |
| E. 4.2.2. Test digital products | Capability |
| E. 4.3.1. Interact on digital products | Capability |
| E. 4.3.2. Fulfil digital products | Capability |
| E. 4.4.1. Control digital product performance | Capability |

| Element | Type |
|---|------------|
| agreements | |
| E. 4.4.2. Assure operation of digital products | Capability |
| E. 5.1.1. Develop and manage goods and services strategy | Capability |
| E. 5.1.2. Develop and manage goods and services plans | Capability |
| E. 5.2.1. Manage supplier relations | Capability |
| E. 5.2.2. Close goods and services contracts | Capability |
| E. 5.2.3. Manage application of contracts | Capability |
| E. 6.1.1. Develop and manage real estate strategy and plans | Capability |
| E. 6.1.2. Obtain, renovate and dispose real estate | Capability |
| E. 6.1.3. Maintain real estate | Capability |
| E. 6.2.1. Manage real estate facilities | Capability |
| E. 6.2.2. Manage personal mobility | Capability |
| E. 7.1.1. Formulate finance strategy | Capability |
| E. 7.1.2. Plan finance | Capability |
| E. 7.1.3. Report financial information and consultancy | Capability |
| E. 7.1.4. Publish annual report | Capability |
| E. 7.2.1. Acquire financing | Capability |
| E. 7.2.2. Manage asset values | Capability |
| E. 7.2.3. Manage liquid assets | Capability |
| E. 7.2.4. Manage creditors | Capability |
| E. 7.3.1. Manage financial transactions | Capability |
| E. 7.3.2. Manage financial ledger | Capability |
| E. 7.3.3. Perform financial controls | Capability |
| E. Enterprise Capabilities | Grouping |
| E.1. Develop and control business direction | Capability |
| E.1.1. Formulate strategy | Capability |
| E.1.2. Align stakeholders | Capability |
| E.1.3. Manage enterprise transformation | Capability |
| E.1.4. Ensure business continuity and compliance | Capability |
| E.2. Develop and manage processes and data | Capability |
| E.2.1. Manage processes | Capability |
| E.2.2. Manage data | Capability |
| E.3. Recruit and manage human capital | Capability |
| E.3.1. Develop and manage employee strategy and plans | Capability |
| E.3.2. Recruit and exit employees | Capability |
| E.3.3. Retain employees | Capability |
| E.3.4. Develop employees | Capability |
| E.4. Develop and maintain digital technology | Capability |
| E.4.1. Develop digital technology strategy and manage digital product portfolio | Capability |
| E.4.2. Develop digital products | Capability |

| Element | Type |
|--|------------|
| E.4.3. Deliver digital products | Capability |
| E.4.4. Assure Digital products | Capability |
| E.5. Obtain goods and services | Capability |
| E.5.1. Obtain goods and services | Capability |
| E.5.2. Close and monitor contracts with suppliers | Capability |
| E.6. Manage buildings and facilities | Capability |
| E.6.1. Manage real estate | Capability |
| E.6.2. Manage facilities | Capability |
| E.7. Manage finance | Capability |
| E.7.1. Create and monitor finance strategy and plans and financial justification | Capability |
| E.7.2. Acquire and manage financing | Capability |
| E.7.3. Manage financial transactions and ledger | Capability |



External (primary) value streams

No viewpoint

Agree, connect and disconnect
energy users >>

Reconstruct energy grids >>

Adjust energy grid plan driven >>

Maintain energy grids
(maintenance) >>

Maintain energy grids (disturbance
recovery) >>

Manage available energy grid
capacity (future) >>

Transport energy (now) >>

Allocate energy exchange to
market parties >>

Distribute grid operator data >>

Elements

| Element | Type |
|--|--------------|
| Adjust energy grid plan driven | Value Stream |
| Agree, connect and disconnect energy users | Value Stream |
| Allocate energy exchange to market parties | Value Stream |
| Distribute grid operator data | Value Stream |
| Maintain energy grids (maintenance) | Value Stream |
| Maintain energy grids (disturbance recovery) | Value Stream |
| Manage available energy grid capacity (future) | Value Stream |
| Reconstruct energy grids | Value Stream |
| Transport energy (now) | Value Stream |



Internal (secondary) value streams

No viewpoint

Determine and monitor
strategy and plans



Change business resources



Ensure business continuity
and compliance



Getting and keeping
employees employable



Providing information



Making goods and services
available



Making financial assets and
information available



Elements

| Element | Type |
|---|--------------|
| Change business resources | Value Stream |
| Determine and monitor strategy and plans | Value Stream |
| Ensure business continuity and compliance | Value Stream |
| Getting and keeping employees employable | Value Stream |
| Making financial assets and information available | Value Stream |
| Making goods and services available | Value Stream |
| Providing information | Value Stream |

Strategy Layer

Adjust energy grid plan driven

| | |
|-------------|--------------|
| Type | Value Stream |
|-------------|--------------|

Agree, connect and disconnect energy users

| | |
|-------------|--------------|
| Type | Value Stream |
|-------------|--------------|

Allocate energy exchange to market parties

| | |
|-------------|--------------|
| Type | Value Stream |
|-------------|--------------|

C.1. Serve Customers

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to optimally serve our customers in their use of our products and services

C.1.1. Serve customers and maintain relations

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to serve customers and maintain relations.

C.1.1.1 Provide service to customers

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

C.1.1.2. Handle customer report/question/request

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

C.1.1.3 Determine contact person/responsible person for location

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

C.1.1.4. Maintain relationship with customers

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

C.1.1.5 Collect energy demand

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

C.1.1.6. Monitor and influence customer experience

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

C.1.2. Acquire and manage contracts

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to enter into and manage agreements with customers.

C.1.2.1. Quote products to customers

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

C.1.2.2. Close, adjust, manage and terminate contracts/SLAs

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

C.1.2.3. Develop and manage products and services

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

C.1.3. Invoice and collect

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to create, send and collect invoices and/or process payments

C.1.3.1. Calculate compensation for services rendered

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|-------------|------------|
| Type | Capability |
|-------------|------------|

C.1.3.2. Create and send invoice

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|-------------|------------|
| Type | Capability |
|-------------|------------|

C.1.3.3. Manage and collect outstanding debts

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

C.1.4. Limit revenue loss

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to detect revenue loss, identify causes and remove or repair them

C.1.4.1. Claim damage caused by third parties

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|-------------|------------|
| Type | Capability |
|-------------|------------|

C.1.4.2. Determine disturbance compensation

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|-------------|------------|
| Type | Capability |
|-------------|------------|

C.1.4.3. Determine compensation for damage caused by work activities

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

C.1.4.4. Monitor and reduce connections without contract

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|-------------|------------|
| Type | Capability |
|-------------|------------|

C.1.4.5. Fight fraud

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

C.2. Transport Energy

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to bring together, balance and ensure continuity of energy supply and consumption, so that customers receive energy within the applicable requirements.

C.2.1. Realise energy transport

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to determine and coordinate supply and demand in the moment.

C.2.1.1. Monitor energy transport

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to monitor the energy supply/demand balance of the grid and bottlenecks.

C.2.1.2 Monitor the operation of grid components

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|-------------|------------|
| Type | Capability |
|-------------|------------|

C.2.1.3 Control energy transport

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to determine and send control actions to specific net components, supported by signal and/or measurement data and formalised logic to keep energy flowing and maintain balance.

C.2.1.4. Commission/decommission energy grids on distance

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to effect control actions on net components and take a grid part into or out of operation (remote switching), including sequence dependence of such actions. This can be in the context of maintenance as well as for new construction. Circuit plans are input for this.

C.2.1.5. Include energy grids in the control of energy transport

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to include net components in the operations of the energy grid, such as visibility in the monitoring and control of SCADA.

C.2.2. Restore energy transport

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to correct anomalies in energy transport

C.2.2.1. Classify disturbances

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to determine the type of failure partly based on an estimate of local

conditions (eg location of gas leak, number of parts per million (ppm), regulated, sector and internal guidelines, impact or possible impact).

C.2.2.2. Assign disturbances

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to associate a technician with the fault for local analysis and remediation, whether or not provided with an urgency or priority of the fault.

C.2.2.3. Analyse disturbances

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to (instantly) determine the cause/causes and/or consequences of the malfunction. For the purpose of solving the malfunction, usually by the technician and/or operator.

C.2.2.4. Recover from disturbances and outages

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to put the energy grid 'in operation' in order to minimise the disturbance impact (outage minutes of consumers).

C.2.2.5. Initiate permanent disturbance recovery

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to bring the energy grid 'into standard operation' after maintenance or to bring it back in the aftermath of a failure.

C.2.3. Create transport and switching plans

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to plan energy transport and align operations with safety, operational and timeliness requirements

C.2.3.1. Plan and analyse transport

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to estimate the load on the energy grid in the short term, including identifying congestion, balance differences and processing the results of adjustment actions (e.g. switching actions and direct and/or market flex call). Creating the inclusive insight that is necessary to be able to draw up a T-forecast (transport forecast).

C.2.3.2. Determine impact of (planned) outages

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to determine which connections are affected by the (planned/unplanned) interruption and for which duration.

C.2.3.3. Create switching plans

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to create sequential overviews of actions to be performed (operation) on grid components.

C.3. Manage the development and maintenance of energy grids

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|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to develop energy grids and keep them available at the agreed level, to ensure the energy grid continuously meets the set requirements. E.g. the development of primary, secondary, tertiary and telecom net components.

C.3.1. Expand, replace and renew energy grids

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to define work for adjustments to the energy grids

C.3.1.1. Collect and analyse/simulate (changed) needs for capacity and functionality

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|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to collect, analyse and simulate (changing) needs for capacity and functionality. Think of: long term, investments/capex planning.

C.3.1.2. Determine and value grid risks on capacity and/or functionality

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to determine and value grid risks and bottlenecks on capacity and/or functionality, given the need for capacity and functionality and the capacity and functionality of the current energy grid. For example: tactical risk management, risk management methodology.

C.3.1.3. Analyse alternatives for mitigation risk on capacity and/or functionality and determine mitigation measures

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

C.3.1.4. (Long-term) plan measures on capacity and/or functionality

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to plan measures in time with agreed horizons (multiple years, year, rolling quarter, ...). For example: euros and money, within budget limits, programs such as cast iron replacement, coordination with service provider (Sales&OperationsPlanning (S&OP) - demand).

C.3.1.5. Create Functional requirements/design

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to functionally design the particular adjustments including determining the set of requirements for the change.

C.3.1.6. Perform environmental analysis

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to perform environmental analysis. Think about: soil conditions, asbestos, flora, fauna, legal ownership.

C.3.1.7. Obtain route permits / lay down right in rem

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to obtain route permits and to lay down rights in rem.

C.3.1.8. Issue, monitor and record grid adjustments

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to provide the contract for the adjustment to the contractor including the functional design/set of requirements. Monitoring the grid adjustment, including providing input to (long-term) planning in case of deviation outside the bandwidth and to functional design in case of deviation from the functional design/set of requirements. Ensuring and enabling processing of the adjustments of the assets in the asset registrations.

C.3.2. Maintain energy grids

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to define activities that keep the energy grids available based on grid condition related to agreed performance.

C.3.2.1. Inventorise and analyse grid and grid component status

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|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to inventorise the condition of grid components and of the grid (including using (sensor) data from/about the components and the grid) and to analyse/determine them.

C.3.2.2. Determine and value grid risks on quality

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to determine and value grid risks and bottlenecks on quality, given the condition of the grid components and the grid.

C.3.2.3. Analyse alternatives to mitigate quality risk and determine mitigating measures

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to formulate and analyse alternatives for mitigation of grid risk quality/bottleneck resolution and determine mitigating measures

C.3.2.4. Determine (multi-)year planning for maintenance and inspections

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|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to plan maintenance and inspection measures in time with agreed

horizons (multiple years, year, rolling quarter, ...)

C.3.2.5. Provide and monitor maintenance and inspection orders

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to issue the contract for maintenance and/or inspection to the contractor. Monitoring/measuring maintenance and/or inspections, including providing input to (multi-year) planning in case of deviation outside the bandwidth.

C.3.2.6. Investigate malfunctions

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to perform root cause analyses on the failures of a certain period and to convert these into improvement actions including adjustment of maintenance plan, redevelopment/renewal of grid components, adjustment of failure handling process, ..

C.3.2.7. Prevent excavation damage

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|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to prevent excavation damage.

C.3.2.8. Purchase and minimize technical grid loss

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|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to purchase and minimize the energetic grid losses (eg due to resistance losses caused by grid components or by leaks in the gas grid).

C.3.3. Establish energy grid guidelines and patterns

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to translate laws and regulations, safety and environmental requirements into guidelines, policies and implementation patterns for the energy grids and to have them applied.

C.3.3.1. Develop a vision on energy grids

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|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to develop a vision for energy grids, for example by making use of innovations.

C.3.3.2. Identify strategic risks on energy grids

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|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to identify strategic risks on energy grids and the energy supply.

C.3.3.3. Develop strategy on energy grids

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to develop a strategy on energy grids and the energy supply.

C.3.3.4. Develop and maintain policies and standards on energy grids

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|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to develop and maintain policies and standards for adapting (expanding, replacing, renewing) and maintaining energy grids, such as a technical manual.

C.3.3.5. Develop grid components

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|-------------|------------|
| Type | Capability |
|-------------|------------|

C.3.3.6. Translate external regulations into guidelines

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|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to translate external regulations into internal guidelines (policies and standards).

C.4. Measure energy flows and energy grids

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|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to measure energy flows and energy grids and to make these measurements available so other capabilities can use these measurements.

C.4.1. Obtain measurements

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| Type | Capability |
|-------------|------------|

Obtain measurements

C.4.1.1. Perceive energy flows and energy grids and transform into measurements

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|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to perceive energy flows and energy grids (net throughput, function performance, net component property) and transform into measurements (measurement data).

C.4.1.2. Collect measurements

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability of collecting measurements for processing purposes.

C.4.1.3. Make measurements interpretable

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|-------------|------------|
| Type | Capability |
|-------------|------------|

C.4.1.4. Validate measurements

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|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to check measurements against validity rules and correct them if necessary.

C.4.2. Distribute measurements

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|-------------|------------|
| Type | Capability |
|-------------|------------|

Distribute measurements

C.4.2.1. Make measurements available immediately

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to make measurements of energy flows and energy grids available to other capabilities without or with minimal delay. For example for real time dashboard, analytics or billing information.

C.4.2.2. Make measurements available on demand

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to make measurements of energy flows and energy grids available to other capabilities on demand. For example for periodic dashboard and reporting or batch and offline analytics.

C.5. Facilitate the energy market

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|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to perform work on energy grids, like building, replacement and maintenance, in an efficient and predictable manner.

C.5.1. Create and maintain work portfolio

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| Type | Capability |
|-------------|------------|

Create and maintain work portfolio

C.5.1.1. Prepare and maintain work portfolio

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|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to prepare and maintain a portfolio for work on energy grids, taking into account the capacity. The portfolio concern the service provider, like Sales&OperationsPlanning (S&OP) - Supply.

C.5.2. Direct work execution

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|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to direct work execution on energy grids.

C.5.2.1. Advise clients on work

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|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to estimate work and to advise clients, like an asset manager, on this work

C.5.2.2. Issue work to execution

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to instruct on work in progress within or Het vermogen om opdrachten te geven aan de uitvoering inside or outside the grid operator

C.5.2.3. Coordinate work execution

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to coordinate work, like projectmanagement and managing failure of orders.

C.5.2.4. Evaluate work execution

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to evaluate work after ending work or in case of long lasting work during the work.

C.5.3. Execute work

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to perform work on energy grids.

C.5.3.1. Create preliminary and final design of energy grids

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|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to create preliminary and final design of energy grids, taking into account (technical) guidelines and function design/program requirements.

C.5.3.2. Prepare execution of work

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to prepare execution of work, like resource planning, materials and equipment, permits and soil investigation, digging notification.

C.5.3.3. Operationally plan work

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to execute operational planning of work, like scheduling technicians.

C.5.3.4. Secure the work environment

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| Type | Capability |
|-------------|------------|

The ability to secure the working environment, like voltage free energy grid and blocking roads.

C.5.3.5. Execute work

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|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to execute work, like work on expansion, replacement, renewal, maintenance, inspection, connections and reconstructions.

C.5.3.6. Commission and decommission grid components on premises

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|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to commission and decommission grid components on the premises.

C.5.3.7. Complete work on energy grid components administratively

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|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to complete work on energy grid components administratively, like time of work/acts/tasked completed, worked hours, used materials, data of inspections and data on placed energy grid components for asset administration purposes.

C.5.4. Support work

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to facilitate activities on energy grids, so that they can be executed.

C.5.4.1. Create and manage standard construction specifications

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|-------------|------------|
| Type | Capability |
|-------------|------------|

C.5.4.2. Manage execution capacity

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|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to manage the execution capacity needed for executing expected and/or agreed activities. Think about: assign/reserve capacity groups, call off assigning flexible capacity, monitoring capacity for needed call off/qualification, directing the development of execution capacity. Key management for station access.

C.5.4.3. Manage warehouses and stock

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to manage warehouses and stock. Think about storage, stock issuing, returns and stock taking.

C.5.4.4. Distribute goods physically

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|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to distribute goods physically. Think about: from central warehouse to decentralised warehouse, to workplace, to car.

C.5.4.5. Maintain equipment

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

C.6. Perform work on energy grids

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to exchange data with energy market parties, fully and at the right time, to guarantee market force.

C.6.1. Serve market parties and maintain relations

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|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to serve energy market parties and maintain relations between them.

C.6.1.1. Maintain relations with market parties

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|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to maintain relations with market parties, including the registration of these market parties, e.g. energy supplier, balance responsible party (BRP), Aggregators, ...

C.6.1.2. Handle questions of market parties

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|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to accept and handle market parties questions, like questions about measurements, invoices, etc.

C.6.1.3. Close contracts for market services

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|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to close contracts for market services.

C.6.1.4. Manage energy markets

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|-------------|------------|
| Type | Capability |
|-------------|------------|

"The ability to manage energy markets enabling trading of energy services. "

C.6.2. Manage market data

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|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to managing market data for facilitating the energy market.

C.6.2.1. Manage energy grid connections

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|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to manage market data on connections and allocation points

C.6.2.2. Manage installations behind connections

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to manage market data on production, storage and consumption units.

C.6.2.3. Manage congestion areas

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|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to manage congestion areas

C.6.3. Perform/facilitate market processes

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to perform/facilitate market processes.

C.6.3.1. Execute energy market procedures

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to accept and handle requests for changes of connections and allocation points initiated by market parties (like switching, move in, move out and bankruptcy of supplier)

C.6.3.2. Exchange energy predictions

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to exchange energy predictions (forecast, nomination). Think about energy predictions with Balance Responsible Party.

C.6.3.3. Determine energy exchange

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to calculate consumption and generation estimations like energy consumption according to the standard annual consumption method.

C.6.3.4. Allocate energy exchange to market parties

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to allocate transported energy volumes to market parties (based on daily volume measurements or on estimations/profiles). The ability to reconcile energy volumes allocated to market parties based on actual consumption data (meter readings) and to settle volume differences between actual profiled consumption (assigned consumption) and measured consumption (meter readings).

C.6.3.5. Communicate upward or downward regulation demand

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|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to communicate upward or downward regulation demand.

C.6.3.6. Manage upward or downward regulation bids

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to manage Upward or downward regulation bids.

C.6.4. Enable market data distribution

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to enable distribution of market data (on request, to third parties and open data). Market process data is distributed in capability perform market processes.

C.6.4.1. Make market data available to parties

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to exchange data by market messages, based on a legal basis or in response to issued permission, for the purpose of market facilitation.

C.6.4.2. Make open data available for third parties

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to exchange data with customers and/or stakeholders like municipalities, energy corporations, warmtebedrijven, housing corporation, provinces, central government and consultancy agencies, for the purpose of the energy transition or other environmental issues.

C.6.4.3. Manage issued permissions

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|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to manage, issued permissions of consumers, concerning sharing energy consumption and production data with allowed parties.

Change business resources

| | |
|-------------|--------------|
| Type | Value Stream |
|-------------|--------------|

Determine and monitor strategy and plans

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|-------------|--------------|
| Type | Value Stream |
|-------------|--------------|

Distribute grid operator data

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|-------------|--------------|
| Type | Value Stream |
|-------------|--------------|

E. 1.1.1. Research and analyse the market

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|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 1.1.2. Define and position brand

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|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 1.1.3. Determine strategy

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|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 1.1.4. Develop business plan

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|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 1.1.5. Monitor business performance

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 1.2.1. Inform and manage stakeholders

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 1.2.2. Monitor and influence laws and regulations

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|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 1.2.3. Develop industry collaboration

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|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 1.2.4. Provide external accountability

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|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 1.3.1. Define enterprise architecture

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|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 1.3.2. Develop change portfolio / develop a roadmap

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|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 1.3.3 Manage change portfolio items

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|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 1.3.4. Manage research and innovation

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|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 1.4.1. Collect and monitor strategic risks

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|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 1.4.2. Manage information security

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|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 1.4.3. Manage privacy

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 1.4.4. Manage business continuity

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 1.4.5. Monitor and adjust personal safety, health, environment and quality

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 1.4.6. Manage legal affairs

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 1.4.7. Manage crises

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 2.1.1. Define and improve processes

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|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 2.1.2. Orchestrate processes

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 2.2.1. Define and maintain data

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|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 2.2.2. Assure data quality

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 2.2.3. Unlock data

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 2.2.4. Create and maintain data analytic models

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 2.2.5. Archive data

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 3.1.1. Develop and manage employee strategy

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|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 3.1.2. Develop and manage employee plans

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|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 3.1.3. Design and transform organisation

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|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 3.2.1. Recruit and select employees

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 3.2.2. Contract employees

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 3.2.3. Exit employees

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 3.3.1. Manage the relation with employees

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 3.3.2. Manage employee (re)assignment

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 3.3.3. Reward employees

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 3.3.4. Manage sick leave

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 3.3.5. Account for leave

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 3.4.1. Manage employee performance

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 3.4.2. Educate and certificate employees

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 3.4.3. Realise sustainable employability

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 4.1.1. Develop and manage digital technology strategy

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 4.1.2. Manage digital product portfolio

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 4.2.1. Create, adjust and remove digital products

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

(IT4IT Develop)

E. 4.2.2. Test digital products

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

(IT4IT Test)

E. 4.3.1. Interact on digital products

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

(IT4IT Consume)

E. 4.3.2. Fulfil digital products

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

(IT4IT Fulfill)

E. 4.4.1. Control digital product performance agreements

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

(IT4IT - Support)

E. 4.4.2. Assure operation of digital products

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

(IT4IT - Assure)

E. 5.1.1. Develop and manage goods and services strategy

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 5.1.2. Develop and manage goods and services plans

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 5.2.1. Manage supplier relations

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 5.2.2. Close goods and services contracts

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 5.2.3. Manage application of contracts

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 6.1.1. Develop and manage real estate strategy and plans

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 6.1.2. Obtain, renovate and dispose real estate

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 6.1.3. Maintain real estate

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 6.2.1. Manage real estate facilities

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 6.2.2. Manage personal mobility

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 7.1.1. Formulate finance strategy

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 7.1.2. Plan finance

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 7.1.3. Report financial information and consultancy

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 7.1.4. Publish annual report

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 7.2.1. Acquire financing

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 7.2.2. Manage asset values

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 7.2.3. Manage liquid assets

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 7.2.4. Manage creditors

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 7.3.1. Manage financial transactions

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 7.3.2. Manage financial ledger

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E. 7.3.3. Perform financial controls

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E.1. Develop and control business direction

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

Develop and control business direction

E.1.1. Formulate strategy

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E.1.2. Align stakeholders

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E.1.3. Manage enterprise transformation

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E.1.4. Ensure business continuity and compliance

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E.2. Develop and manage processes and data

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

Develop and manage processes and data

E.2.1. Manage processes

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E.2.2. Manage data

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E.3. Recruit and manage human capital

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

Recruit and manage human capital

E.3.1. Develop and manage employee strategy and plans

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E.3.2. Recruit and exit employees

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E.3.3. Retain employees

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E.3.4. Develop employees

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E.4. Develop and maintain digital technology

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

Develop and maintain digital technology

E.4.1. Develop digital technology strategy and manage digital product portfolio

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E.4.2. Develop digital products

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

(IT4IT - Requirement to Deploy)

E.4.3. Deliver digital products

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

(IT4IT - Request to Fulfill)

E.4.4. Assure Digital products

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

(IT4IT - Detect to Correct)

E.5. Obtain goods and services

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

The ability to obtain goods and services.

E.5.1. Obtain goods and services

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E.5.2. Close and monitor contracts with suppliers

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E.6. Manage buildings and facilities

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

Manage buildings and facilities

E.6.1. Manage real estate

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|-------------|------------|
| Type | Capability |
|-------------|------------|

E.6.2. Manage facilities

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E.7. Manage finance

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

Manage finance

E.7.1. Create and monitor finance strategy and plans and financial justification

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E.7.2. Acquire and manage financing

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

E.7.3. Manage financial transactions and ledger

| | |
|-------------|------------|
| Type | Capability |
|-------------|------------|

Ensure business continuity and compliance

| | |
|------|--------------|
| Type | Value Stream |
|------|--------------|

Getting and keeping employees employable

| | |
|------|--------------|
| Type | Value Stream |
|------|--------------|

Maintain energy grids (maintenance)

| | |
|------|--------------|
| Type | Value Stream |
|------|--------------|

Maintain energy grids (disturbance recovery)

| | |
|------|--------------|
| Type | Value Stream |
|------|--------------|

Making financial assets and information available

| | |
|------|--------------|
| Type | Value Stream |
|------|--------------|

Making goods and services available

| | |
|------|--------------|
| Type | Value Stream |
|------|--------------|

Manage available energy grid capacity (future)

| | |
|------|--------------|
| Type | Value Stream |
|------|--------------|

Providing information

| | |
|------|--------------|
| Type | Value Stream |
|------|--------------|

Reconstruct energy grids

| | |
|------|--------------|
| Type | Value Stream |
|------|--------------|

Transport energy (now)

| | |
|------|--------------|
| Type | Value Stream |
|------|--------------|

Business Layer

Accountability report

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|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Architecture product

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|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Archival document

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Business continuity plan

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|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Business Function

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|-------------|-------------------|
| Type | Business Function |
|-------------|-------------------|

Business performance

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|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Business plan

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|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Business risk

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|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Business strategy

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|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Campaign

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|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Capacity bottleneck

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| Type | Business Object |
|-------------|-----------------|

Delen van het energienet waarvan wordt verwacht dat zij vanwege een tekort aan transportcapaciteit een aanzienlijk risico vormen voor een goede uitvoering van de bij of krachtens de wet aan de netbeheerder toegekende taken.

Case

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Change initiative

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|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Change portfolio

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|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Claimzaak

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|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een klantzaak voor de behandeling van een eis van een klant tot schadevergoeding.

Collaboration agreement

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|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Company building

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|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Company building strategy

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|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Compensatiezaak

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|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een klantzaak voor de betaling van een compensatievergoeding aan een aangeslotene bij wie de transportdienst ten gevolge van een storing onderbroken is geweest.

Competency

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|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Congestion area

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een gebied waarin de te verwachten behoefte aan transport van de in dat gebied aanwezige aangeslotenen redelijkerwijs kan leiden tot een situatie waarin de maximale transportcapaciteit van een net of netgedeelte niet voldoende is om te voorzien in die behoefte.

Connection

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Eén of meer verbindingen tussen een energienet en een onroerende zaak. Dit betreft een administratieve groepering van fysieke verbindingen onder één individueel recht op energietransport.

Connection location

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een plek ten opzichte van de aarde waar zich het overdrachtspunt van een aansluiting bevindt.

Consent from system user

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een goedkeuring door een natuurlijk persoon die beschikt over een of meer aansluitingen, aan een marktpartij om gegevens op te vragen of te verstrekken voor een bepaald doel.

Contractless situation

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Contractless situation

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een klantzaak voor de behandeling van een situatie waarbij er een actieve aansluiting is zonder leveringsovereenkomst.

Crisis

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Customer

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|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een (potentiële) afnemer van een product of dienst van de netbeheerder.

Customer agreement

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een afspraak tussen een klant en de netbeheerder over wat ze met elkaar of voor elkaar zullen gaan doen of laten. Hieronder vallen onder andere een aansluit- en transportovereenkomst (ATO), een geaccepteerde offerte en een samenwerkingsovereenkomst.

Customer experience

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een subjectieve beleving van een klant naar aanleiding van direct of indirect contact met de netbeheerder.

Customer interaction

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een aaneengesloten periode waarbij interactief informatie wordt uitgewisseld tussen een klant en de netbeheerder.

Customer invoice

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een document dat een betalingsverplichting van of aan een klant weergeeft.

Customer notification

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een aan een klant gerichte officiële kennisgeving van een verandering in de status van de aansluit- of transportdienst.

Customer product

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Customer Product

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een al dan niet tastbaar iets dat de netbeheerder aanbiedt om aan een wens of behoefte te voldoen.

Customer quote

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een formeel aanbod tot het sluiten van een overeenkomst, opgesteld op verzoek van een (potentiële) klant.

Customer quote request

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een verzoek aan de netbeheerder voor het leveren van een product of dienst.

Customer request

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Damage compensation

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|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Damage compensation

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een klantzaak om schade aan het energienet veroorzaakt door derden, anders dan door energiefraude, vergoed te krijgen.

Damage recovery

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|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Data analysis model

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|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Data quality rule

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|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Data service

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|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Dataset

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Digging message

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een bericht aan de netbeheerder van de Dienst voor het kadaster en de openbare registers nadat deze een oriëntatieverzoek of graafmelding heeft ontvangen.

Digital product

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|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Digital product instance

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|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Digital product performance

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|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Digital product release

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|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Digital product strategy

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Disturbance

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een niet gewenste verandering in de werking van een netcomponent, netdeel of bijbehorende bedrijfsomstandigheden.

Disturbance compensation

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Energy exchange

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|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een afname of invoeding van energie op een aansluiting.

Energy grid

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Energy market

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een (virtuele) handelsplaats voor energie. Hieronder vallen onder meer over-the-counter-markten en energiebeurzen, markten voor de verhandeling van energie, capaciteit, balancerings- en ondersteunende diensten in alle tijdsbestekken, waaronder termijn-, day-ahead- en intraday-markten.

Energy Market

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Energy schedule or forecast

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een bij een netbeheerder ingediende planning van handelstransacties (energieprogramma) en/of energie-uitwisseling (prognose).

Energy theft

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|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Energy theft

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een klantzaak voor de behandeling van een situatie waarbij op illegale wijze energie wordt onttrokken aan het energienet.

Energy transport

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|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een verplaatsing van energie via een energienet.

Energy Transport

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Environmental analysis

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een omschrijving van de fysieke leefomgeving en het eigenaarschap van de grond, waar rekening mee moet worden gehouden bij de uitvoering van de bedrijfsactiviteiten.

Execution capacity

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Het vermogen van medewerkers om werkactiviteiten uit te voeren.

Execution permit

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een beschikking op een aanvraag, die toestaat voorgenomen activiteiten voor bepaalde tijd te verrichten die in de wet- of regelgeving verboden zijn.

Facility

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Het samenstel van energietechnisch materiaal en leidingen van een aangeslotene, te rekenen na het overdrachtpunt van de aansluiting.

Facility product

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|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Finance strategy

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Financial control

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Financial fact

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Financial plan

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|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Financial report

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|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Financial status

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|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Financing

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Goods movement

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een fysieke of logische verplaatsing van goederen. Hieronder wordt mede verstaan de ontvangst, reservering, uitgifte en retournering van goederen.

Grid calculation

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een kwantitatieve analyse om te bepalen of energietransporten in de toekomst met het huidige energienet zijn te realiseren.

Grid component

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een fysiek onderdeel van het energienet.

Grid component condition

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

(Technische) toestand waarin een netcomponent verkeert.

Grid component configuration

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een verzameling van instellingen van een netcomponent die de werking ervan bepalen.

Grid component performance

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Het vermogen van een netcomponent om te voldoen aan functionele eisen of doelstellingen.

Grid Design

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een specificatie van eisen aan een netaanpassing en de gekozen oplossingsrichting.

Grid function

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een taak of doel van een netcomponent op een bepaalde locatie in het energienet.

Grid modification order

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een autorisatie voor de uitbreiding of vervanging van een energienet.

Human resource plan

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Human resource strategy

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Information security risk

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Innovation

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Investment plan

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een door de netbeheerder periodiek opgesteld plan waarin alle noodzakelijke uitbreidings- en vervangingsinvesteringen worden beschreven en onderbouwd.

Klachtzaak

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een klantzaak voor de behandeling van een schriftelijk aan de netbeheerder kenbaar gemaakte uiting van ongenoegen of ontevredenheid over een product, dienst of gedraging van (een medewerker van) de netbeheerder of een door de netbeheerder ingehuurd persoon.

Klantzaak

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een dienstverleningsproces voor een klant met een welgedefinieerde aanleiding en een welgedefinieerd eindresultaat, waarvan kwaliteit en doorlooptijd bewaakt moeten worden.

Leave of absence

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|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Legal advice

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|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Legal rule

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|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Liquid Asset

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Maintenance or inspection order

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een autorisatie voor activiteiten die als doel hebben het in een voor de netbeheerder aanvaardbare conditie houden (of terugbrengen) van netcomponenten teneinde de gevraagde mate van functionaliteit te borgen.

Maintenance or inspection plan

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een omschrijving van de beoogde activiteiten aan netcomponenten die nodig zijn om het energienet in aanvaardbare conditie te houden.

Market agreement

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een afspraak tussen een marktpartij en de netbeheerder over wat ze met elkaar of voor elkaar zullen gaan doen of laten.

Market participant

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Iedere partij die gerechtigd is om transacties in energie af te sluiten op de Nederlandse energiemarkt.

Market process request

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Market request

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een vraag om een door de Autoriteit Consument en Markt vastgesteld marktproces (bijvoorbeeld een inhuizing of leverancierswitch) uit te voeren.

Marktzaak

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een dienstverleningsproces voor een marktpartij met een welgedefinieerde aanleiding en een welgedefinieerd eindresultaat, waarvan kwaliteit en doorlooptijd bewaakt moeten worden, niet zijnde de instantie van een vastgesteld marktproces.

Material

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een product bestemd om verwerkt te worden tot netcomponent.

Measurement

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een aan het energienet gerelateerde waardebepaling met behulp van een meetinstrument.

Measurement

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Meetinrichting

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een instrument of samenstel van instrumenten met een meetfunctie dat ten minste de energie-uitwisseling op een aansluiting meet.

Non-availability

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een situatie waarbij een of meer netfuncties tijdelijk niet kunnen worden gebruikt.

Organisational unit

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Outage

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een interruptie of beperking van het transport van energie bij één of meer afnemers.

Payment order

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Personal certificate

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Position

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Preliminary or final design

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Primary grid component

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een netcomponent bedoeld voor energietransport.

Privacy risk

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Process

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Purchase agreement

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Purchase order

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Purchasing plan

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Purchasing strategy

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Purchasing supplier

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Purchasing supplier performance

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Quality bottleneck

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Delen van het energienet waarvan wordt verwacht dat zij vanwege vanwege afnemende functionaliteit, betrouwbaarheid of veroudering een aanzienlijk risico vormen voor een goede uitvoering van de bij of krachtens de wet aan de netbeheerder toegekende taken.

Right in rem or route permit

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een (volledig of beperkt) recht op een stuk grond (zakelijk recht), of een toestemming van het bevoegd gezag (vergunning), om in een bepaald tracé netcomponenten in bezit te hebben.

Secondary grid component

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een netcomponent bedoeld voor het meten en/of sturen (inclusief beveiligen) van energietransport.

SHEQ guideline

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

SHEQ incident

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Sick leave

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Standard work product

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Regelmatig terugkerend werk, met een norm voor de benodigde uren, materialen en/of instructies.

Switching plan

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een omschrijving van de bedieningshandelingen die uitgevoerd moeten worden en die leiden tot een gewenste bedrijfssituatie.

Switching situation

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

De stand van een of meer regelbare eenheden in het energienet die van invloed

zijn op het energietransport.

Switching step

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een verrichting die de bedrijfstoestand van een netdeel wijzigt. Dit kan vanuit het bedrijfsvoeringcentrum (verre bediening), vanuit een centraal punt in een station (afstandsbediening) of direct op een component of veld (lokale bediening).

Technical business standard

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een norm die aangeeft waaraan een bepaald product in technisch opzicht zou moeten voldoen.

Telecom component

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een onderdeel van een telecommunicatienetwerk bedoeld voor gegevensoverdracht van of naar een netcomponent.

Tertiary grid component

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een facilitaire voorziening voor de fysieke bescherming en/of ondersteuning van netcomponenten.

Transport calculation

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een voorspelling van het energietransport met als doel deze in stand te houden.

Transport demand

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Het gewenste energietransport op lange termijn.

Transport problem

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Travel movement

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Upward or downward regulation

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een maatregel die door de netbeheerder wordt geactiveerd door een wijziging van het productie- en/of belastingspatroon op een of meer aansluitingen teneinde de fysieke stromen in het energienet te veranderen en de systeembalans te

handhaven, fysieke congestie te verlichten of de systeemveiligheid op een andere manier te waarborgen. Opregelen betreft het meer invoeden of minder afnemen door een aangeslotene, afregelen betreft het minder invoeden of meer afnemen door een aangeslotene.

Upward or downward regulation demand

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een verwachting van de hoeveelheid energie die moet worden opgeregeld of afgeregeld om het energietransport te handhaven.

Upward or downward regulation offer

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een aanbod aan een netbeheerder om het productie- en/of belastingspatroon op een of meer aansluitingen te wijzigen.

Vacancy

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Valuation

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Work

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Work activity

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een inspanning van een medewerker die voortvloeit uit een werkopdracht.

Work order

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een autorisatie voor het uitvoeren van een activiteit.

Work plan

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een omschrijving van alle werkzaamheden die uitgevoerd moeten worden.

Work tool

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Een gebruiksvoorwerp zoals een stuk gereedschap (bouwmaterieel) of voertuig (rollend materieel) dat wordt gebruikt om te werken aan het energienet.

Worker

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Worker agreement

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Worker deployment

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Het (gevraagde, geplande of daadwerkelijke) verbruik van de capaciteit van medewerkers.

Worker performance

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|

Worker remuneration

| | |
|-------------|-----------------|
| Type | Business Object |
|-------------|-----------------|



Other

C. Core Business Capabilities

| | |
|------|----------|
| Type | Grouping |
|------|----------|

C. Core Business Capabilities

| | |
|------|----------|
| Type | Grouping |
|------|----------|

C. Core Capabilities

| | |
|------|----------|
| Type | Grouping |
|------|----------|

E. Enterprise Capabilities

| | |
|------|----------|
| Type | Grouping |
|------|----------|

Relations

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | C.3.2. Maintain energy grids |
| Target | C.3.2.1. Inventorise and analyse grid and grid component status |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | E.5.2. Close and monitor contracts with suppliers |
| Target | E. 5.2.2. Close goods and services contracts |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | E.4.3. Deliver digital products |
| Target | E. 4.3.1. Interact on digital products |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | E.3.1. Develop and manage employee strategy and plans |
| Target | E. 3.1.3. Design and transform organisation |

Composition relation

| | |
|---------------|-----------------------|
| Type | Composition relation |
| Source | C.5.3. Execute work |
| Target | C.5.3.5. Execute work |

Composition relation

| | |
|---------------|-------------------------------------|
| Type | Composition relation |
| Source | E.7.2. Acquire and manage financing |
| Target | E. 7.2.2. Manage asset values |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | E.1.3. Manage enterprise transformation |
| Target | E. 1.3.2. Develop change portfolio / develop a roadmap |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | E.4.1. Develop digital technology strategy and manage digital product portfolio |
| | E. 4.1.1. Develop and manage digital technology strategy |

Composition relation

| | |
|---------------|----------------------------------|
| Type | Composition relation |
| Source | C.5.3. Execute work |
| Target | C.5.3.3. Operationally plan work |

Composition relation

| | |
|---------------|---------------------------------|
| Type | Composition relation |
| Source | C.2. Transport Energy |
| Target | C.2.2. Restore energy transport |

Composition relation

| | |
|---------------|------------------------------------|
| Type | Composition relation |
| Source | E.2.2. Manage data |
| Target | E. 2.2.1. Define and maintain data |

Composition relation

| | |
|---------------|--------------------------------------|
| Type | Composition relation |
| Source | C.5.4. Support work |
| Target | C.5.4.4. Distribute goods physically |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | E.5. Obtain goods and services |
| Target | E.5.2. Close and monitor contracts with suppliers |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | C.4.2. Distribute measurements |
| Target | C.4.2.2. Make measurements available on demand |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | E.1.4. Ensure business continuity and compliance |
| Target | E. 1.4.2. Manage information security |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | C.6.3. Perform/facilitate market processes |
| Target | C.6.3.3. Determine energy exchange |

Specialization relation

| | |
|---------------|-------------------------|
| Type | Specialization relation |
| Source | Damage compensation |
| Target | Klantzaak |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | C.1.4. Limit revenue loss |
| Target | C.1.4.4. Monitor and reduce connections without contract |

Composition relation

| | |
|---------------|----------------------------------|
| Type | Composition relation |
| Source | E.5. Obtain goods and services |
| Target | E.5.1. Obtain goods and services |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | C.4.2. Distribute measurements |
| Target | C.4.2.1. Make measurements available immediately |

Composition relation

| | |
|---------------|--------------------------------|
| Type | Composition relation |
| Source | E.6.1. Manage real estate |
| Target | E. 6.1.3. Maintain real estate |

Composition relation

| | |
|---------------|--------------------------------------|
| Type | Composition relation |
| Source | C.1.2. Acquire and manage contracts |
| Target | C.1.2.1. Quote products to customers |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | C.3.1. Expand, replace and renew energy grids |
| | C.3.1.1. Collect and analyse/simulate (changed) needs for capacity and functionality |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | E.7.3. Manage financial transactions and ledger |
| Target | E. 7.3.2. Manage financial ledger |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | C.1.3. Invoice and collect |
| Target | C.1.3.3. Manage and collect outstanding debts |

Aggregation relation

| | |
|-------------|----------------------|
| Type | Aggregation relation |
|-------------|----------------------|

| | |
|---------------|--|
| Source | E. Enterprise Capabilities |
| Target | E.2. Develop and manage processes and data |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | C.1.1. Serve customers and maintain relations |
| Target | C.1.1.6. Monitor and influence customer experience |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | E.1.2. Align stakeholders |
| Target | E. 1.2.4. Provide external accountability |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | C.1.1. Serve customers and maintain relations |
| Target | C.1.1.4. Maintain relationship with customers |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | E.3.3. Retain employees |
| Target | E. 3.3.1. Manage the relation with employees |

Composition relation

| | |
|---------------|------------------------------------|
| Type | Composition relation |
| Source | C.5.2. Direct work execution |
| Target | C.5.2.3. Coordinate work execution |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | C.2.1. Realise energy transport |
| Target | C.2.1.2 Monitor the operation of grid components |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | E.7.1. Create and monitor finance strategy and plans and financial justification |
| | E. 7.1.3. Report financial information and consultancy |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | C.6.2. Manage market data |
| Target | C.6.2.2. Manage installations behind connections |

Composition relation

| | |
|---------------|-------------------------------|
| Type | Composition relation |
| Source | E.2.2. Manage data |
| Target | E. 2.2.2. Assure data quality |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | C.2.3. Create transport and switching plans |
| Target | C.2.3.1. Plan and analyse transport |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | C.3.2. Maintain energy grids |
| Target | C.3.2.2. Determine and value grid risks on quality |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | E.1.3. Manage enterprise transformation |
| Target | E. 1.3.3 Manage change portfolio items |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | E.7.1. Create and monitor finance strategy and plans and financial justification |
| | E. 7.1.4. Publish annual report |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | C.3.3. Establish energy grid guidelines and patterns |
| Target | C.3.3.5. Develop grid components |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | E.4.4. Assure Digital products |
| Target | E. 4.4.2. Assure operation of digital products |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | C.3.1. Expand, replace and renew energy grids |
| | C.3.1.3. Analyse alternatives for mitigation risk on capacity and/or functionality and determine mitigation measures |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | E.4. Develop and maintain digital technology |

| | |
|---------------|---------------------------------|
| Target | E.4.3. Deliver digital products |
|---------------|---------------------------------|

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | C.1.4. Limit revenue loss |
| Target | C.1.4.3. Determine compensation for damage caused by work activities |

Specialization relation

| | |
|---------------|-------------------------|
| Type | Specialization relation |
| Source | Telecom component |
| Target | Grid component |

Specialization relation

| | |
|---------------|--------------------------|
| Type | Specialization relation |
| Source | Secondary grid component |
| Target | Grid component |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | C.1.1. Serve customers and maintain relations |
| Target | C.1.1.5 Collect energy demand |

Composition relation

| | |
|---------------|----------------------------|
| Type | Composition relation |
| Source | C.1. Serve Customers |
| Target | C.1.3. Invoice and collect |

Composition relation

| | |
|---------------|---------------------------------|
| Type | Composition relation |
| Source | C.2.2. Restore energy transport |
| Target | C.2.2.1. Classify disturbances |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | E.1.1. Formulate strategy |
| Target | E. 1.1.5. Monitor business performance |

Aggregation relation

| | |
|---------------|--|
| Type | Aggregation relation |
| Source | E. Enterprise Capabilities |
| Target | E.4. Develop and maintain digital technology |

Composition relation

| | |
|-------------|----------------------|
| Type | Composition relation |
|-------------|----------------------|

| | |
|---------------|-----------------------------------|
| Source | C.5. Facilitate the energy market |
| Target | C.5.3. Execute work |

Composition relation

| | |
|---------------|----------------------------------|
| Type | Composition relation |
| Source | C.6.2. Manage market data |
| Target | C.6.2.3. Manage congestion areas |

Composition relation

| | |
|---------------|----------------------------------|
| Type | Composition relation |
| Source | C.5.2. Direct work execution |
| Target | C.5.2.2. Issue work to execution |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | E.3.1. Develop and manage employee strategy and plans |
| Target | E. 3.1.2. Develop and manage employee plans |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | C.3.1. Expand, replace and renew energy grids |
| Target | C.3.1.5. Create Functional requirements/design |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | E.1.3. Manage enterprise transformation |
| Target | E. 1.3.1. Define enterprise architecture |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | C.1.1. Serve customers and maintain relations |
| Target | C.1.1.3 Determine contact person/responsible person for location |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | C.1.1. Serve customers and maintain relations |
| Target | C.1.1.2. Handle customer report/question/request |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | C.1.1. Serve customers and maintain relations |
| Target | C.1.1.4. Maintain relationship with customers |

Composition relation

| | |
|---------------|---------------------------------------|
| Type | Composition relation |
| Source | E.3. Recruit and manage human capital |
| Target | E.3.2. Recruit and exit employees |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | C.1.4. Limit revenue loss |
| Target | C.1.4.2. Determine disturbance compensation |

Composition relation

| | |
|---------------|---------------------------|
| Type | Composition relation |
| Source | C.1.4. Limit revenue loss |
| Target | C.1.4.5. Fight fraud |

Composition relation

| | |
|---------------|---------------------------------|
| Type | Composition relation |
| Source | C.2.2. Restore energy transport |
| Target | C.2.2.2. Assign disturbances |

Composition relation

| | |
|---------------|---------------------------------|
| Type | Composition relation |
| Source | E.4.2. Develop digital products |
| Target | E. 4.2.2. Test digital products |

Aggregation relation

| | |
|---------------|---|
| Type | Aggregation relation |
| Source | E. Enterprise Capabilities |
| Target | E.1. Develop and control business direction |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | E.6.2. Manage facilities |
| Target | E. 6.2.1. Manage real estate facilities |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | C.6.3. Perform/facilitate market processes |
| Target | C.6.3.4. Allocate energy exchange to market parties |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | C.6.1. Serve market parties and maintain relations |
| Target | C.6.1.3. Close contracts for market services |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | C.6.1. Serve market parties and maintain relations |
| Target | C.6.1.1. Maintain relations with market parties |

Composition relation

| | |
|---------------|---------------------------------|
| Type | Composition relation |
| Source | C.2.2. Restore energy transport |
| Target | C.2.2.3. Analyse disturbances |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | C.5.4. Support work |
| Target | C.5.4.1. Create and manage standard construction specifications |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | E.1. Develop and control business direction |
| Target | E.1.2. Align stakeholders |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | C.6.4. Enable market data distribution |
| Target | C.6.4.3. Manage issued permissions |

Composition relation

| | |
|---------------|---------------------------|
| Type | Composition relation |
| Source | C.1. Serve Customers |
| Target | C.1.4. Limit revenue loss |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | C.1. Serve Customers |
| Target | C.1.1. Serve customers and maintain relations |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | E.7. Manage finance |
| | E.7.1. Create and monitor finance strategy and plans and financial justification |

Composition relation

| | |
|-------------|----------------------|
| Type | Composition relation |
|-------------|----------------------|

| | |
|---------------|--|
| Source | C.3.3. Establish energy grid guidelines and patterns |
| Target | C.3.3.3. Develop strategy on energy grids |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | E.7.1. Create and monitor finance strategy and plans and financial justification |
| | E. 7.1.2. Plan finance |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | E.1.1. Formulate strategy |
| Target | E. 1.1.1. Research and analyse the market |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | C.5.3. Execute work |
| Target | C.5.3.7. Complete work on energy grid components administratively |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | C.3.1. Expand, replace and renew energy grids |
| Target | C.3.1.4. (Long-term) plan measures on capacity and/or functionality |

Composition relation

| | |
|---------------|-----------------------------------|
| Type | Composition relation |
| Source | E.3.2. Recruit and exit employees |
| Target | E. 3.2.3. Exit employees |

Composition relation

| | |
|---------------|-------------------------------------|
| Type | Composition relation |
| Source | E.7.2. Acquire and manage financing |
| Target | E. 7.2.3. Manage liquid assets |

Aggregation relation

| | |
|---------------|----------------------------|
| Type | Aggregation relation |
| Source | E. Enterprise Capabilities |
| Target | E.7. Manage finance |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | C.5.3. Execute work |
| Target | C.5.3.6. Commission and decommission grid components on premises |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | C.2.2. Restore energy transport |
| Target | C.2.2.4. Recover from disturbances and outages |

Composition relation

| | |
|---------------|--------------------------------|
| Type | Composition relation |
| Source | C.4.1. Obtain measurements |
| Target | C.4.1.4. Validate measurements |

Composition relation

| | |
|---------------|----------------------------------|
| Type | Composition relation |
| Source | C.5.2. Direct work execution |
| Target | C.5.2.4. Evaluate work execution |

Composition relation

| | |
|---------------|------------------------------------|
| Type | Composition relation |
| Source | C.5.4. Support work |
| Target | C.5.4.2. Manage execution capacity |

Composition relation

| | |
|---------------|-----------------------------------|
| Type | Composition relation |
| Source | C.5. Facilitate the energy market |
| Target | C.5.2. Direct work execution |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | C.1.1. Serve customers and maintain relations |
| Target | C.1.1.1 Provide service to customers |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | C.6.3. Perform/facilitate market processes |
| Target | C.6.3.6. Manage upward or downward regulation bids |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | E.1. Develop and control business direction |
| Target | E.1.4. Ensure business continuity and compliance |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | C.6.1. Serve market parties and maintain relations |
| Target | C.6.1.2. Handle questions of market parties |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | C.6. Perform work on energy grids |
| Target | C.6.1. Serve market parties and maintain relations |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | E.1.4. Ensure business continuity and compliance |
| Target | E. 1.4.6. Manage legal affairs |

Composition relation

| | |
|---------------|--------------------------------------|
| Type | Composition relation |
| Source | C.5.4. Support work |
| Target | C.5.4.3. Manage warehouses and stock |

Composition relation

| | |
|---------------|-----------------------------|
| Type | Composition relation |
| Source | C.5.4. Support work |
| Target | C.5.4.5. Maintain equipment |

Specialization relation

| | |
|---------------|-------------------------|
| Type | Specialization relation |
| Source | Energy theft |
| Target | Klantzaak |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | C.3.2. Maintain energy grids C.3.2.4. Determine (multi-)year planning for maintenance and inspections |

Composition relation

| | |
|---------------|-------------------------------------|
| Type | Composition relation |
| Source | E.7.2. Acquire and manage financing |
| Target | E. 7.2.1. Acquire financing |

Composition relation

| | |
|---------------|-----------------------------------|
| Type | Composition relation |
| Source | E.4.3. Deliver digital products |
| Target | E. 4.3.2. Fulfil digital products |

Composition relation

| | |
|-------------|----------------------|
| Type | Composition relation |
|-------------|----------------------|

| | |
|---------------|--|
| Source | C.3.3. Establish energy grid guidelines and patterns |
| Target | C.3.3.1. Develop a vision on energy grids |

Composition relation

| | |
|---------------|---------------------------------------|
| Type | Composition relation |
| Source | E.3. Recruit and manage human capital |
| Target | E.3.3. Retain employees |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | C.5.3. Execute work |
| Target | C.5.3.1. Create preliminary and final design of energy grids |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | C.4. Measure energy flows and energy grids |
| Target | C.4.1. Obtain measurements |

Composition relation

| | |
|---------------|----------------------------------|
| Type | Composition relation |
| Source | C.1.3. Invoice and collect |
| Target | C.1.3.2. Create and send invoice |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | E.1.4. Ensure business continuity and compliance |
| Target | E. 1.4.4. Manage business continuity |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | E.3.3. Retain employees |
| Target | E. 3.3.2. Manage employee (re)assignment |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | C.2.3. Create transport and switching plans |
| Target | C.2.3.2. Determine impact of (planned) outages |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | C.1.2. Acquire and manage contracts |
| Target | C.1.2.3. Develop and manage products and services |

Composition relation

| | |
|---------------|---------------------------------|
| Type | Composition relation |
| Source | E.2.1. Manage processes |
| Target | E. 2.1.2. Orchestrate processes |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | C.6.4. Enable market data distribution |
| Target | C.6.4.2. Make open data available for third parties |

Aggregation relation

| | |
|---------------|--------------------------------|
| Type | Aggregation relation |
| Source | E. Enterprise Capabilities |
| Target | E.5. Obtain goods and services |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | C.6.3. Perform/facilitate market processes |
| Target | C.6.3.2. Exchange energy predictions |

Composition relation

| | |
|---------------|--------------------------------------|
| Type | Composition relation |
| Source | E.6. Manage buildings and facilities |
| Target | E.6.2. Manage facilities |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | E.7.1. Create and monitor finance strategy and plans and financial justification |
| | E. 7.1.1. Formulate finance strategy |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | C.3.2. Maintain energy grids |
| Target | C.3.2.5. Provide and monitor maintenance and inspection orders |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | E.5.2. Close and monitor contracts with suppliers |
| Target | E. 5.2.1. Manage supplier relations |

Composition relation

| | |
|---------------|----------------------------|
| Type | Composition relation |
| Source | C.4.1. Obtain measurements |

| | |
|---------------|-------------------------------|
| Target | C.4.1.2. Collect measurements |
|---------------|-------------------------------|

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | C.3.2. Maintain energy grids |
| | C.3.2.3. Analyse alternatives to mitigate quality risk and determine mitigating measures |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | C.5.1. Create and maintain work portfolio |
| Target | C.5.1.1. Prepare and maintain work portfolio |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | C.6.1. Serve market parties and maintain relations |
| Target | C.6.1.4. Manage energy markets |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | E.1.4. Ensure business continuity and compliance |
| | E. 1.4.5. Monitor and adjust personal safety, health, environment and quality |

Composition relation

| | |
|---------------|-----------------------------|
| Type | Composition relation |
| Source | E.3.3. Retain employees |
| Target | E. 3.3.5. Account for leave |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | E.4.1. Develop digital technology strategy and manage digital product portfolio |
| | E. 4.1.2. Manage digital product portfolio |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | C.3.1. Expand, replace and renew energy grids |
| Target | C.3.1.8. Issue, monitor and record grid adjustments |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | C.2.1. Realise energy transport |
| Target | C.2.1.5. Include energy grids in the control of energy transport |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | C.1.3. Invoice and collect |
| Target | C.1.3.1. Calculate compensation for services rendered |

Composition relation

| | |
|---------------|------------------------------------|
| Type | Composition relation |
| Source | C.5.3. Execute work |
| Target | C.5.3.2. Prepare execution of work |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | C.3.3. Establish energy grid guidelines and patterns |
| Target | C.3.3.2. Identify strategic risks on energy grids |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | C.3.1. Expand, replace and renew energy grids |
| Target | C.3.1.2. Determine and value grid risks on capacity and/or functionality |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | C.6.3. Perform/facilitate market processes |
| Target | C.6.3.1. Execute energy market procedures |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | E.2. Develop and manage processes and data |
| Target | E.2.1. Manage processes |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | E.7.3. Manage financial transactions and ledger |
| Target | E. 7.3.3. Perform financial controls |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | C.6. Perform work on energy grids |
| Target | C.6.4. Enable market data distribution |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | C.6.4. Enable market data distribution |
| Target | C.6.4.1. Make market data available to parties |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | C.3.2. Maintain energy grids |
| Target | C.3.2.8. Purchase and minimize technical grid loss |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | E.3.4. Develop employees |
| Target | E. 3.4.2. Educate and certificate employees |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | E.2. Develop and manage processes and data |
| Target | E.2.2. Manage data |

Aggregation relation

| | |
|---------------|--------------------------------------|
| Type | Aggregation relation |
| Source | E. Enterprise Capabilities |
| Target | E.6. Manage buildings and facilities |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | C.3.1. Expand, replace and renew energy grids |
| Target | C.3.1.7. Obtain route permits / lay down right in rem |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | E.4. Develop and maintain digital technology |
| Target | E.4.4. Assure Digital products |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | E.6.1. Manage real estate |
| Target | E. 6.1.1. Develop and manage real estate strategy and plans |

Composition relation

| | |
|---------------|-----------------------------------|
| Type | Composition relation |
| Source | C.6. Perform work on energy grids |
| Target | C.6.2. Manage market data |

Composition relation

| | |
|---------------|---------------------------|
| Type | Composition relation |
| Source | E.1.2. Align stakeholders |

| | |
|---------------|--|
| Target | E. 1.2.3. Develop industry collaboration |
|---------------|--|

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | C.3.3. Establish energy grid guidelines and patterns |
| Target | C.3.3.4. Develop and maintain policies and standards on energy grids |

Specialization relation

| | |
|---------------|-------------------------|
| Type | Specialization relation |
| Source | Primary grid component |
| Target | Grid component |

Aggregation relation

| | |
|---------------|---------------------------------------|
| Type | Aggregation relation |
| Source | E. Enterprise Capabilities |
| Target | E.3. Recruit and manage human capital |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | E.1.4. Ensure business continuity and compliance |
| Target | E. 1.4.3. Manage privacy |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | E.1.2. Align stakeholders |
| Target | E. 1.2.2. Monitor and influence laws and regulations |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | E.7. Manage finance |
| Target | E.7.3. Manage financial transactions and ledger |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | E.1.4. Ensure business continuity and compliance |
| Target | E. 1.4.7. Manage crises |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | E.4.4. Assure Digital products |
| Target | E. 4.4.1. Control digital product performance agreements |

Composition relation

| | |
|-------------|----------------------|
| Type | Composition relation |
|-------------|----------------------|

| | |
|---------------|-------------------------------------|
| Source | E.1.1. Formulate strategy |
| Target | E. 1.1.2. Define and position brand |

Composition relation

| | |
|---------------|---------------------------------|
| Type | Composition relation |
| Source | C.5.2. Direct work execution |
| Target | C.5.2.1. Advise clients on work |

Composition relation

| | |
|---------------|-----------------------------|
| Type | Composition relation |
| Source | E.3.3. Retain employees |
| Target | E. 3.3.4. Manage sick leave |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | C.2.2. Restore energy transport |
| Target | C.2.2.5. Initiate permanent disturbance recovery |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | C.4.1. Obtain measurements |
| Target | C.4.1.3. Make measurements interpretable |

Composition relation

| | |
|---------------|------------------------------------|
| Type | Composition relation |
| Source | C.3.2. Maintain energy grids |
| Target | C.3.2.7. Prevent excavation damage |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | E.4. Develop and maintain digital technology |
| Target | E.4.1. Develop digital technology strategy and manage digital product portfolio |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | E.3. Recruit and manage human capital |
| Target | E.3.1. Develop and manage employee strategy and plans |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | C.2. Transport Energy |
| Target | C.2.3. Create transport and switching plans |

Composition relation

| | |
|---------------|--------------------------------------|
| Type | Composition relation |
| Source | C.5.3. Execute work |
| Target | C.5.3.4. Secure the work environment |

Composition relation

| | |
|---------------|-----------------------------------|
| Type | Composition relation |
| Source | C.5. Facilitate the energy market |
| Target | C.5.4. Support work |

Composition relation

| | |
|---------------|-------------------------------------|
| Type | Composition relation |
| Source | E.7. Manage finance |
| Target | E.7.2. Acquire and manage financing |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | C.3.3. Establish energy grid guidelines and patterns |
| Target | C.3.3.6. Translate external regulations into guidelines |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | C.6.3. Perform/facilitate market processes |
| Target | C.6.3.5. Communicate upward or downward regulation demand |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | E.1.3. Manage enterprise transformation |
| Target | E. 1.3.4. Manage research and innovation |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | E.1. Develop and control business direction |
| Target | E.1.3. Manage enterprise transformation |

Composition relation

| | |
|---------------|---------------------------------|
| Type | Composition relation |
| Source | C.2. Transport Energy |
| Target | C.2.1. Realise energy transport |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | E.2.2. Manage data |
| Target | E. 2.2.4. Create and maintain data analytic models |

Composition relation

| | |
|---------------|--------------------------------------|
| Type | Composition relation |
| Source | E.6. Manage buildings and facilities |
| Target | E.6.1. Manage real estate |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | E.3.1. Develop and manage employee strategy and plans |
| Target | E. 3.1.1. Develop and manage employee strategy |

Composition relation

| | |
|---------------|-----------------------------------|
| Type | Composition relation |
| Source | E.3.2. Recruit and exit employees |
| Target | E. 3.2.2. Contract employees |

Specialization relation

| | |
|---------------|--------------------------|
| Type | Specialization relation |
| Source | Meetinrichting |
| Target | Secondary grid component |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | E.5.1. Obtain goods and services |
| Target | E. 5.1.1. Develop and manage goods and services strategy |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | E.5.2. Close and monitor contracts with suppliers |
| Target | E. 5.2.3. Manage application of contracts |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | E.1.2. Align stakeholders |
| Target | E. 1.2.1. Inform and manage stakeholders |

Composition relation

| | |
|---------------|---------------------------------------|
| Type | Composition relation |
| Source | E.3.4. Develop employees |
| Target | E. 3.4.1. Manage employee performance |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | C.4. Measure energy flows and energy grids |

| | |
|---------------|--------------------------------|
| Target | C.4.2. Distribute measurements |
|---------------|--------------------------------|

Composition relation

| | |
|---------------|------------------------------------|
| Type | Composition relation |
| Source | E.6.2. Manage facilities |
| Target | E. 6.2.2. Manage personal mobility |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | E.3.4. Develop employees |
| Target | E. 3.4.3. Realise sustainable employability |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | C.2.3. Create transport and switching plans |
| Target | C.2.3.3. Create switching plans |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | C.3.1. Expand, replace and renew energy grids |
| Target | C.3.1.6. Perform environmental analysis |

Composition relation

| | |
|---------------|-----------------------------------|
| Type | Composition relation |
| Source | C.2.1. Realise energy transport |
| Target | C.2.1.1. Monitor energy transport |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | C.4.1. Obtain measurements |
| | C.4.1.1. Perceive energy flows and energy grids and transform into measurements |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | E.1. Develop and control business direction |
| Target | E.1.1. Formulate strategy |

Composition relation

| | |
|---------------|-------------------------------------|
| Type | Composition relation |
| Source | E.7.2. Acquire and manage financing |
| Target | E. 7.2.4. Manage creditors |

Composition relation

| | |
|---------------|---------------------------------------|
| Type | Composition relation |
| Source | E.3. Recruit and manage human capital |
| Target | E.3.4. Develop employees |

Specialization relation

| | |
|---------------|-------------------------|
| Type | Specialization relation |
| Source | Claimzaak |
| Target | Klantzaak |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | C.3.2. Maintain energy grids |
| | C.3.2.4. Determine (multi-)year planning for maintenance and inspections |

Composition relation

| | |
|---------------|---------------------------------|
| Type | Composition relation |
| Source | E.1.1. Formulate strategy |
| Target | E. 1.1.4. Develop business plan |

Composition relation

| | |
|---------------|----------------------------|
| Type | Composition relation |
| Source | E.3.3. Retain employees |
| Target | E. 3.3.3. Reward employees |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | E.3.2. Recruit and exit employees |
| Target | E. 3.2.1. Recruit and select employees |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | C.3. Manage the development and maintenance of energy grids |
| Target | C.3.2. Maintain energy grids |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | E.4. Develop and maintain digital technology |
| Target | E.4.2. Develop digital products |

Composition relation

| | |
|---------------|------------------------------|
| Type | Composition relation |
| Source | C.3.2. Maintain energy grids |

| | |
|---------------|-----------------------------------|
| Target | C.3.2.6. Investigate malfunctions |
|---------------|-----------------------------------|

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | E.2.1. Manage processes |
| Target | E. 2.1.1. Define and improve processes |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | E.6.1. Manage real estate |
| Target | E. 6.1.2. Obtain, renovate and dispose real estate |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | C.6.2. Manage market data |
| Target | C.6.2.1. Manage energy grid connections |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | C.1.2. Acquire and manage contracts |
| Target | C.1.2.2. Close, adjust, manage and terminate contracts/SLAs |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | C.5. Facilitate the energy market |
| Target | C.5.1. Create and maintain work portfolio |

Specialization relation

| | |
|---------------|-------------------------|
| Type | Specialization relation |
| Source | Compensatiezaak |
| Target | Klantzaak |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | C.1.4. Limit revenue loss |
| Target | C.1.4.1. Claim damage caused by third parties |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | E.5.1. Obtain goods and services |
| Target | E. 5.1.2. Develop and manage goods and services plans |

Composition relation

| | |
|-------------|----------------------|
| Type | Composition relation |
|-------------|----------------------|

| | |
|---------------|--|
| Source | E.4.2. Develop digital products |
| Target | E. 4.2.1. Create, adjust and remove digital products |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | C.3. Manage the development and maintenance of energy grids |
| Target | C.3.3. Establish energy grid guidelines and patterns |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | C.2.1. Realise energy transport |
| Target | C.2.1.4. Commission/decommission energy grids on distance |

Composition relation

| | |
|---------------|------------------------------|
| Type | Composition relation |
| Source | E.1.1. Formulate strategy |
| Target | E. 1.1.3. Determine strategy |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | E.7.3. Manage financial transactions and ledger |
| Target | E. 7.3.1. Manage financial transactions |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | C.6. Perform work on energy grids |
| Target | C.6.3. Perform/facilitate market processes |

Composition relation

| | |
|---------------|----------------------------------|
| Type | Composition relation |
| Source | C.2.1. Realise energy transport |
| Target | C.2.1.3 Control energy transport |

Composition relation

| | |
|---------------|---|
| Type | Composition relation |
| Source | C.3. Manage the development and maintenance of energy grids |
| Target | C.3.1. Expand, replace and renew energy grids |

Composition relation

| | |
|---------------|--|
| Type | Composition relation |
| Source | E.1.4. Ensure business continuity and compliance |
| Target | E. 1.4.1. Collect and monitor strategic risks |

Specialization relation

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|---------------|-------------------------|
| Type | Specialization relation |
| Source | Klachtzaak |
| Target | Klantzaak |

Specialization relation

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|---------------|-------------------------|
| Type | Specialization relation |
| Source | Tertiary grid component |
| Target | Grid component |

Composition relation

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|---------------|-----------------------|
| Type | Composition relation |
| Source | E.2.2. Manage data |
| Target | E. 2.2.3. Unlock data |

Specialization relation

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|---------------|-------------------------|
| Type | Specialization relation |
| Source | Contractless situation |
| Target | Klantzaak |

Composition relation

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|---------------|-------------------------------------|
| Type | Composition relation |
| Source | C.1. Serve Customers |
| Target | C.1.2. Acquire and manage contracts |

Composition relation

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|---------------|------------------------|
| Type | Composition relation |
| Source | E.2.2. Manage data |
| Target | E. 2.2.5. Archive data |

aangeboden in

| | |
|---------------|----------------------|
| Type | Association relation |
| Source | Customer Product |
| Target | Customer quote |

aanvaarding van

| | |
|---------------|----------------------|
| Type | Association relation |
| Source | Customer agreement |
| Target | Customer quote |

achter

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|---------------|----------------------|
| Type | Association relation |
| Source | Facility |
| Target | Connection |

actief op

| | |
|---------------|----------------------|
| Type | Association relation |
| Source | Market participant |
| Target | Connection |

afroep van

| | |
|---------------|-------------------------------------|
| Type | Association relation |
| Source | Upward or downward regulation |
| Target | Upward or downward regulation offer |

afspraak over of aanvaarding van

| | |
|---------------|-------------------------------------|
| Type | Association relation |
| Source | Market agreement |
| Target | Upward or downward regulation offer |

autorisatie voor

| | |
|---------------|----------------------|
| Type | Association relation |
| Source | Work order |
| Target | Work activity |

basis voor

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|---------------|----------------------|
| Type | Association relation |
| Source | Customer agreement |
| Target | Work order |

basis voor

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|---------------|----------------------|
| Type | Association relation |
| Source | Customer agreement |
| Target | Customer invoice |

basis voor

| | |
|---------------|--------------------------------------|
| Type | Association relation |
| Source | Transport calculation |
| Target | Upward or downward regulation demand |

basis voor

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|---------------|----------------------|
| Type | Association relation |
| Source | Disturbance |
| Target | Work order |

basis voor

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|---------------|-------------------------|
| Type | Association relation |
| Source | Grid modification order |

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|---------------|------------|
| Target | Work order |
|---------------|------------|

begin of einde van

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|---------------|----------------------|
| Type | Association relation |
| Source | Switching step |
| Target | Non-availability |

betrokkene in

| | |
|---------------|----------------------|
| Type | Association relation |
| Source | Market participant |
| Target | Marktzaak |

betrokkene in

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|---------------|----------------------|
| Type | Association relation |
| Source | Customer |
| Target | Klantzaak |

demande in

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|---------------|----------------------|
| Type | Association relation |
| Source | Customer |
| Target | Energy Market |

gebaseerd op

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|---------------|-----------------------|
| Type | Association relation |
| Source | Work plan |
| Target | Standard work product |

gepland in

| | |
|---------------|----------------------|
| Type | Association relation |
| Source | Switching step |
| Target | Switching plan |

gepland in

| | |
|---------------|----------------------|
| Type | Association relation |
| Source | Switching step |
| Target | Work plan |

gepland in

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|---------------|-----------------------------|
| Type | Association relation |
| Source | Energy exchange |
| Target | Energy schedule or forecast |

in

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|-------------|----------------------|
| Type | Association relation |
|-------------|----------------------|

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|---------------|-----------------|
| Source | Connection |
| Target | Congestion area |

in gebied van

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|---------------|----------------------|
| Type | Association relation |
| Source | Grid function |
| Target | Digging message |

in gebied van

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|---------------|------------------------|
| Type | Association relation |
| Source | Grid function |
| Target | Environmental analysis |

indiener van

| | |
|---------------|------------------------|
| Type | Association relation |
| Source | Customer |
| Target | Customer quote request |

indiener van

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|---------------|----------------------|
| Type | Association relation |
| Source | Market participant |
| Target | Market request |

ingezet als

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|---------------|----------------------|
| Type | Association relation |
| Source | Material |
| Target | Grid component |

ingezet op

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|---------------|----------------------|
| Type | Association relation |
| Source | Grid component |
| Target | Grid function |

met

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|---------------|----------------------|
| Type | Association relation |
| Source | Customer interaction |
| Target | Customer |

mitigatie van

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|---------------|-------------------------|
| Type | Association relation |
| Source | Grid modification order |
| Target | Quality bottleneck |

mitigatie van

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|---------------|-------------------------|
| Type | Association relation |
| Source | Grid modification order |
| Target | Capacity bottleneck |

of

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|---------------|----------------------|
| Type | Association relation |
| Source | Energy grid |
| Target | Measurement |

of

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| Type | Association relation |
| Source | Energy Transport |
| Target | Measurement |

on

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| Type | Association relation |
| Source | Work |
| Target | Energy grid |

oorzaak van

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|---------------|----------------------|
| Type | Association relation |
| Source | Grid function |
| Target | Quality bottleneck |

oorzaak van

| | |
|---------------|----------------------|
| Type | Association relation |
| Source | Grid function |
| Target | Capacity bottleneck |

oorzaak van

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|---------------|----------------------|
| Type | Association relation |
| Source | Disturbance |
| Target | Non-availability |

oorzaak van

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|---------------|----------------------|
| Type | Association relation |
| Source | Non-availability |
| Target | Outage |

op

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|---------------|----------------------|
| Type | Association relation |
| Source | Energy exchange |
| Target | Connection |

op

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|---------------|----------------------|
| Type | Association relation |
| Source | Connection |
| Target | Connection location |

op

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|---------------|----------------------------|
| Type | Association relation |
| Source | Grid component performance |
| Target | Grid function |

op basis van

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|---------------|-----------------------|
| Type | Association relation |
| Source | Transport calculation |
| Target | Grid function |

op basis van

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|---------------|----------------------|
| Type | Association relation |
| Source | Grid calculation |
| Target | Grid function |

over

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|---------------|----------------------|
| Type | Association relation |
| Source | Energy grid |
| Target | Energy Transport |

over

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|---------------|----------------------|
| Type | Association relation |
| Source | Energy transport |
| Target | Grid function |

realization of connection service offered on

| | |
|---------------|----------------------|
| Type | Association relation |
| Source | Energy Market |
| Target | Energy grid |

realization of transport service offered on

| | |
|---------------|----------------------|
| Type | Association relation |
| Source | Energy Market |
| Target | Energy Transport |

toegewezen aan

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|---------------|----------------------|
| Type | Association relation |
| Source | Energy exchange |

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|---------------|--------------------|
| Target | Market participant |
|---------------|--------------------|

uit

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| Type | Association relation |
| Source | Worker deployment |
| Target | Execution capacity |

van

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|---------------|------------------------------|
| Type | Association relation |
| Source | Grid component configuration |
| Target | Grid component |

van

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|---------------|--------------------------|
| Type | Association relation |
| Source | Grid component condition |
| Target | Grid component |

van

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|---------------|----------------------|
| Type | Association relation |
| Source | Measurement |
| Target | Energy exchange |

van

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|---------------|----------------------|
| Type | Association relation |
| Source | Non-availability |
| Target | Grid function |

van

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|---------------|----------------------|
| Type | Association relation |
| Source | Customer experience |
| Target | Customer |

van

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|---------------|----------------------|
| Type | Association relation |
| Source | Transport demand |
| Target | Customer |

van

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|---------------|-----------------------|
| Type | Association relation |
| Source | Customer notification |
| Target | Customer |

van

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| Type | Association relation |
|-------------|----------------------|

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|---------------|----------------|
| Source | Goods movement |
| Target | Material |

van

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|---------------|----------------------|
| Type | Association relation |
| Source | Switching situation |
| Target | Grid function |

van of met

| | |
|---------------|----------------------|
| Type | Association relation |
| Source | Measurement |
| Target | Grid function |

verhandeld op

| | |
|---------------|----------------------|
| Type | Association relation |
| Source | Energy exchange |
| Target | Energy market |

verzoek om

| | |
|---------------|------------------------|
| Type | Association relation |
| Source | Customer quote request |
| Target | Customer quote |

verzoek om

| | |
|---------------|--------------------------------------|
| Type | Association relation |
| Source | Upward or downward regulation demand |
| Target | Upward or downward regulation offer |

voor

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|---------------|----------------------|
| Type | Association relation |
| Source | Work tool |
| Target | Work activity |

voor

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|---------------|------------------------------|
| Type | Association relation |
| Source | Right in rem or route permit |
| Target | Grid function |

voor

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|---------------|-----------------------------|
| Type | Association relation |
| Source | Technical business standard |
| Target | Grid function |

voor

| | |
|---------------|--------------------------|
| Type | Association relation |
| Source | Consent from system user |
| Target | Connection |

voor

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|---------------|---------------------------------|
| Type | Association relation |
| Source | Maintenance or inspection order |
| Target | Grid component |

voor

| | |
|---------------|----------------------|
| Type | Association relation |
| Source | Execution permit |
| Target | Work activity |

voor

| | |
|---------------|-------------------------|
| Type | Association relation |
| Source | Grid Design |
| Target | Grid modification order |

voor

| | |
|---------------|----------------------|
| Type | Association relation |
| Source | Worker deployment |
| Target | Work activity |

voor

| | |
|---------------|----------------------|
| Type | Association relation |
| Source | Goods movement |
| Target | Work activity |

voor uitvoering van

| | |
|---------------|----------------------|
| Type | Association relation |
| Source | Work order |
| Target | Work plan |

voor uitvoering van

| | |
|---------------|----------------------|
| Type | Association relation |
| Source | Work order |
| Target | Switching plan |

voorziet in

| | |
|---------------|---------------------------------|
| Type | Association relation |
| Source | Maintenance or inspection order |
| Target | Maintenance or inspection plan |

voorziet in

| | |
|---------------|-------------------------|
| Type | Association relation |
| Source | Grid modification order |
| Target | Investment plan |

wederpartij in

| | |
|---------------|----------------------|
| Type | Association relation |
| Source | Market participant |
| Target | Market agreement |