



Catena-X

Modular System Version 3.6.0

18.03.2026

Valid for:

- CX-Saturn
- CX-Titan (Minor Release)

Modular System – Overview

| Modular System Catena-X Certification | | | | | | | | | | | | | | | | | | | | | | | |  | | | |
|---------------------------------------|--------------------|-----------------------------|-----------------------|---------------------|--|--------------|-----------------|-----|-------------|----------|-----|-----------|------|--------------------|-----|-------|------|-----|---------|-------------|------|-----------------------|-----------------------------|---|----------------------|----------------------|--|
| Data Provider & Consumer | | Enablement Service Provider | | | Business Application Provider | | | | | | | | | | | | | | | | | Core Service Provider | Onboarding Service Provider | Sandbox Service Provider | Value Added Services | | |
| Connector | Participant Wallet | Connector as a Service | Digital Twin Registry | Wallet as a Service | Quality | Traceability | Behavioral Twin | PCF | Circularity | Eco Pass | ESS | Logistics | MaaS | Modular Production | DCM | PURIS | OSIM | CCM | Tariffs | Engineering | SBOM | Material Accounting | Core Services | Onboarding Services | Sandbox Services | Value Added Services | |
| | | | | | Connector: Every Solution must be enabled to use an EDC or have an integrated EDC | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | Semantic: Digital Twin or Agents ¹ | | | | | | | | | | | | | | | | | | | | | | |
| Provider Base | | | | | | | | | | | | | | | | | | | | | | | | | | | |

¹ Each standard in the respective use case defines for itself which model may be used.

Detail View (1/3) – Business Application Provider

Modular System Catena-X Certification



Business Application Provider²

| Use Case | Quality | | Traceability | Behavioral Twin | | | PCF | Circularity | | | | | Eco Pass | ESS | Logistics | MaaS | | MP | DCM | | PURIS | OSIM | CCM | Tariffs | Engineering | | | SBOM | MA | |
|------------------------------|--|---------------------------|----------------------|-----------------------|-------------------------------------|-------------------------------------|---------|---------------------------------|--|-----------------|----------------------------|----------------------------|--------------------|---------|--------------------|--------------|------------------------------------|---------|----------------------|--|---------|---------|---------|---------|--------------|--------------------------------|-----------------------------------|--------------------|---------|--------------------------------|
| | As OEM data provider | As Supplier data provider | | Traceability Use Case | Behavioral Twin Endurance Predictor | Behavioral Twin Endurance Estimator | | Behaviour Twin Health Indicator | PCF Exchange | PCF Calculation | Secondary Material Content | EoL / Dismantling Services | | | | CE-Assistant | Secondary Marketplace ⁴ | | Asset Tracking | Use Case Circular Economy - Digital Product Passport | | | | | ESS Use Case | Logistics and Customs Use Case | Manufacturing Capability Exchange | | | Request for Quotation Exchange |
| Base Standard | CX-0123 | | CX-0125 | CX-0059 | CX-0138 | CX-0141 | CX-0136 | PCF-Rule-book | / | CX-0053 | | CX-0117 | CX-0105 CX-0045 | CX-0143 | CX-0144 | CX-0150 | CX-0115 | CX-0129 | CX-0142 | CX-0128 | | CX-0157 | CX-0133 | CX-0135 | CX-0153 | CX-0154 | CX-0155 | CX-0156 | CX-0158 | CX-0159 |
| Additional | / | / | CX-0005 ¹ | / | / | / | / | / | / | / | CX-0136 ⁶ | / | / | / | / | / | / | / | CX-0146 ⁶ | | / | / | / | / | / | / | / | CX-0125 | / | |
| Industry Core ^{5,6} | / | / | CX-0127 | / | / | / | CX-0126 | / | CX-0126 CX-0127 | | / | CX-0127 ⁷ | CX-0126 CX-0127 | / | CX-0126 CX-0127 | / | / | / | / | / | CX-0126 | / | / | / | CX-0151 | CX-0126 CX-0151 | CX-0126 CX-0151 | CX-0126 CX-0151 | CX-0127 | |
| Connectivity ³ | CX-0018, CX-0152 | | | | | | | / | CX-0018, CX-0152 | | | | | | | | | | | | | | | | | | | | | |
| Semantic | Digital Twin CX-0002 or Agents CX-0084 | | | | | | | / | Digital Twin CX-0002 or Agents CX-0084 | | | | | | | | | | | | | | | | | | | | | |
| Provider Base | TISAX Level 2 is mandatory from July 2025, with grace period of 12 month, for all OSP, ESP and BAP. TISAX Level 3 is mandatory for CSP-A/B (as soon as the standard is adapted). | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

¹ If "Additional" Standards are used or offered in a Solution, the certification of these Standards is required.

² Business Application Provider has to perform an interoperability check.

³ If no EDC is implemented in the solution, at least the Data Management-API is subject of the certification.

⁴ Can only be provided in combination with certified Core Services.

⁵ Digital Twins have to contain the defined Specific Asset Ids. Additional use case specific data models have to be provided as Digital Twin submodels. If the respective data models are used, these have to be certified against the specification defined within the Industry Core standard.

⁶ When using certain features, the referenced section of the standard is required.

⁷ When using certain features, the focussed section of the standard is optional.

Detail View (2/3) – Remaining Roles

| Modular System Catena-X Certification  | | | | | | | | |
|--|---|---|---|------------------------------------|---------------------------|--|--|--|
| | Data Provider & Consumer | | Enablement Service Provider | | | Core Service Provider ⁴ | Onboarding Service Provider ² | Sandbox Service Provider |
| Use Case | Connector | Participant Wallet | Connector as a Service | Digital Twin Registry as a Service | Wallet as a Service | Core Services | Onboarding Services | Sandbox Services ³ |
| Role / Capability | When using a CX-certified solution, no separate certification is required | When using a CX-certified solution, no separate certification is required | Connector | Digital Twin Registry | Participant Wallet | CSP Wallet: CX-0049 CX-0050 CX-0149 | CX-0006 CX-0009 | Onboarding: CX-0006 CX-0009 |
| Base Standard | CX-0018 CX-0152 | CX-0149 | CX-0018 CX-0152 | CX-0002 | CX-0149 | Onboarding: CX-0006 CX-0009 | | BPDM: CX-0010 CX-0012 CX-0074 |
| Additional¹ | CX-0002 CX-0003 CX-0005 CX-0007 CX-0045 CX-0055 CX-0084 CX-0126 CX-0127 | | Backend Integration Pattern 1 CX-0002, CX-0003, CX-0055 | | | Portal: CX-0001 CX-0053 Marketplace: CX-0054 BPDM: CX-0010 CX-0012 CX-0074 CX-0076 | | Identity Wallet: CX-0049 CX-0050 CX-0149 |
| | | | Backend Integration Pattern 2 CX-0055, CX-0084 | | | | | Portal: CX-0001 CX-0053 |
| | | | Simple Data Exchanger CX-0007 | | | | | Marketplace: CX-0054 |
| | | | Data Chain CX-0005, CX-0045 | | | | | Golden Record (optional): CX-0076 |
| | | | | | | | | |
| Provider Base: TISAX Level 2 is mandatory from July 2025, with grace period of 12 month, for all OSP, ESP and BAP. TISAX Level 3 is mandatory for CSP-A/B (as soon as the standard is adapted). | | | | | | | | |

¹ If "Additional" Standards are used or offered in a Solution, the certification of these Standards is required.

² Limitations Jupiter: this role currently only covers part of the registration process in the Catena-X data space. The currently available process is depicted in figure "General Onboarding Process".

³ Catena-X Sandboxes contain all services required for the operation of a minimum valuable Catena-X data space, namely: CSP-B services (excluding the cleansing service of BPDM and GXDCH integration) and OSP services.

⁴ Core Services B lists Core Services that can only be operated once in the Catena-X data space due to business reasons or technical limitations and are therefore tendered via the nomination process of the Association.

Detail View (3/3) – Remaining Roles

| Modular System Catena-X Certification  | | | | | | |
|---|--|------------------------|--------------------------|-----------------------|--------------|------------------------------|
| Value Added Services ¹ | | | | | | |
| Value Added Service | Data Quality Dashboard | Bank Data Verification | Natural Person Screening | BPDM Fraud Prevention | Country Risk | Sanction Watchlist Dashboard |
| Standard | CX-0076 CX-0077 | CX-0078 | CX-0079 | CX-0080 | CX-0081 | CX-0116 |
| Provider Base | TISAX Level 2 is mandatory from July 2025, with grace period of 12 month, for all OSP, ESP and BAP. TISAX Level 3 is mandatory for CSP-A/B (as soon as the standard is adapted). | | | | | |

¹ Can only be provided in combination with certified Core Services.





Modular System – Business Application Provider

| | | |
|----------------------------------|---|--|
| Quality ¹ | As OEM data provider: CX-0123 | As Supplier data provider: CX-0123 |
| Connectivity ² | CX-0018, CX-0152 | |
| Semantic | Digital Twin: CX-0002 or Agents: CX-0084 | |
| Provider Base | TISAX Level 2 is mandatory from July 2025, with grace period of 12 month, for all OSP, ESP and BAP and TISAX Level 3 is mandatory for CSP-A/B (as soon as the standard is adapted). | |

¹ Business Application Provider has to perform an interoperability check.

² If no EDC is implemented in the solution, at least the Data Management-API is subject of the certification.



Modular System – Business Application Provider

| | |
|-------------------------------------|---|
| Traceability ¹ | CX-0125 Additional ² : CX-0005 |
| Industry Core ^{4,5} | CX-0127: <i>It is tightly bound to the Industry Core, as Quality Alerts and Quality Investigation Requests should reference batches and/or serialized part instances as described in the standard CX - 0127 INDUSTRY CORE: PART INSTANCE.</i> <i>Regarding CX-0005: This standardization is built upon existing standards, such as CX-0127.</i> |
| Connectivity ³ | CX-0018, CX-0152 |
| Semantic | Digital Twin: CX-0002 or Agents: CX-0084 |
| Provider Base | TISAX Level 2 is mandatory from July 2025, with grace period of 12 month, for all OSP, ESP and BAP and TISAX Level 3 is mandatory for CSP-A/B (as soon as the standard is adapted). |

¹ Business Application Provider has to perform an interoperability check.

² If “Additional” Standards are used or offered in a Solution, the certification of these Standards is required.

³ If no EDC is implemented in the solution, at least the Data Management-API is subject of the certification.

⁴ Digital Twins have to contain the defined Specific Asset Ids. Additional use case specific data models have to be provided as Digital Twin submodels. If the respective data models are used, these have to be certified against the specification defined within the Industry Core standard.

⁵ When using certain features, the referenced section of the standard is required.



Modular System – Business Application Provider

| | | | |
|-------------------------------------|---|--|-------------------------------------|
| Behavioral Twin ¹ | Behavioral Twin Endurance Predictor: CX-0059 | Behavioral Twin Endurance Estimator: CX-0138 | Health Indicator: CX-0141 |
| Connectivity ² | CX-0018, CX-0152 | | |
| Semantic | Digital Twin: CX-0002 or Agents: CX-0084 | | |
| Provider Base | TISAX Level 2 is mandatory from July 2025, with grace period of 12 month, for all OSP, ESP and BAP and TISAX Level 3 is mandatory for CSP-A/B (as soon as the standard is adapted). | | |

¹ Business Application Provider has to perform an interoperability check.

² If no EDC is implemented in the solution, at least the Data Management-API is subject of the certification.



Modular System – Business Application Provider

| PCF¹ | Exchange: CX-0136 | Calculation: PCF-Rulebook |
|------------------------------------|---|-------------------------------------|
| Industry Core^{3,4} | CX-0126 | |
| Connectivity² | CX-0018, CX-0152 | |
| Semantic | Digital Twin: CX-0002 or Agents: CX-0084 | |
| Provider Base | TISAX Level 2 is mandatory from July 2025, with grace period of 12 month, for all OSP, ESP and BAP and TISAX Level 3 is mandatory for CSP-A/B (as soon as the standard is adapted). | |

¹ Business Application Provider has to perform an interoperability check.

² If no EDC is implemented in the solution, at least the Data Management-API is subject of the certification.

³ Digital Twins have to contain the defined Specific Asset Ids. Additional use case specific data models have to be provided as Digital Twin submodels. If the respective data models are used, these have to be certified against the specification defined within the Industry Core standard.

⁴ When using certain features, the referenced section of the standard is required.

Modular System – Business Application Provider



| Circularity ¹ | Circularity Core: CX-0131 | | | Secondary Marketplace ² : CX-0117 | Asset Tracking: CX-0105 CX-0045 |
|------------------------------|--|---|---|---|---------------------------------------|
| | Secondary Material Content: | EoL / Dismantling Services: CX-0053 | CE-Assistant: CX-0053 Additional (Recommended) ⁴ : CX-0136 | | |
| Industry Core ^{4,5} | <p>CX-0126: <i>2.0 Industry Core: Part Type with the Aspect Model "SingleLevelBomAsPlanned" (RECOMMENDED)</i></p> <p>CX-0127: - <i>2.0 Industry Core: Part Instance with the Aspect Model "SerialPart"</i> - <i>2.0 Industry Core: Part Instance with the Aspect Model "SingleLevelBoMAsBuilt"</i></p> | <p>CX-0126: <i>2.0 Industry Core: Part Type with the Aspect Model "SingleLevelBomAsPlanned" (RECOMMENDED)</i></p> <p>CX-0127 - <i>2.0 Industry Core: Part Instance with the Aspect Model "SerialPart"</i> - <i>2.0 Industry Core: Part Instance with the Aspect Model "SingleLevelBoMAsBuilt"</i></p> | <p>CX-0126: <i>2.0 Industry Core: Part Type with the Aspect Model "SingleLevelBomAsPlanned" (RECOMMENDED)</i></p> <p>CX-0127 - <i>2.0 Industry Core: Part Instance with the Aspect Model "SerialPart"</i> - <i>2.0 Industry Core: Part Instance with the Aspect Model "SingleLevelBoMAsBuilt"</i></p> | | |
| Connectivity ³ | CX-0018, CX-0152 | | | | |
| Semantic | Digital Twin: CX-0002 or Agents: CX-0084 | | | | |
| Provider Base | TISAX Level 2 is mandatory from July 2025, with grace period of 12 month, for all OSP, ESP and BAP and TISAX Level 3 is mandatory for CSP-A/B (as soon as the standard is adapted). | | | | |

¹ Business Application Provider has to perform an interoperability check.

² Can only be provided in combination with certified Core Services.

³ If no EDC is implemented in the solution, at least the Data Management-API is subject of the certification.

⁴ When using certain features, the referenced section of the standard is required.

⁵ Digital Twins have to contain the defined Specific Asset Ids. Additional use case specific data models have to be provided as Digital Twin submodels. If the respective data models are used, these have to be certified against the specification defined within the Industry Core standard.

⁶ When using certain features, the focussed section of the standard is optional.



Modular System – Business Application Provider

| | |
|------------------------------------|---|
| Eco Pass¹ | CX-0143 |
| Industry Core^{3,4} | <p>CX-0126: <i>As described in the industry core standards CX-0126 and CX-0127, when digital twins MUST include the key digitalTwinType.</i></p> <p>CX-0127: <i>As described in the industry core standards CX-0126 and CX-0127, when digital twins MUST include the key digitalTwinType.</i></p> |
| Connectivity² | CX-0018, CX-0152 |
| Semantic | Digital Twin: CX-0002 or Agents: CX-0084 |
| Provider Base | TISAX Level 2 is mandatory from July 2025, with grace period of 12 month, for all OSP, ESP and BAP and TISAX Level 3 is mandatory for CSP-A/B (as soon as the standard is adapted). |

¹ Business Application Provider has to perform an interoperability check.

² If no EDC is implemented in the solution, at least the Data Management-API is subject of the certification.

³ Digital Twins have to contain the defined Specific Asset Ids. Additional use case specific data models have to be provided as Digital Twin submodels. If the respective data models are used, these have to be certified against the specification defined within the Industry Core standard.

⁴ When using certain features, the referenced section of the standard is required.



Modular System – Business Application Provider

| | |
|---------------------------------|---|
| ESS¹ | CX-0144 |
| Connectivity² | CX-0018, CX-0152 |
| Semantic | Digital Twin: CX-0002 or Agents: CX-0084 |
| Provider Base | TISAX Level 2 is mandatory from July 2025, with grace period of 12 month, for all OSP, ESP and BAP and TISAX Level 3 is mandatory for CSP-A/B (as soon as the standard is adapted). |

¹ Business Application Provider has to perform an interoperability check.

² If no EDC is implemented in the solution, at least the Data Management-API is subject of the certification.



Modular System – Business Application Provider

| | |
|------------------------------------|---|
| Logistics¹ | CX-0150 |
| Industry Core^{3,4} | CX-0126 CX-0127 |
| Connectivity² | CX-0018, CX-0152 |
| Semantic | Digital Twin: CX-0002 or Agents: CX-0084 |
| Provider Base | TISAX Level 2 is mandatory from July 2025, with grace period of 12 month, for all OSP, ESP and BAP and TISAX Level 3 is mandatory for CSP-A/B (as soon as the standard is adapted). |

¹ Business Application Provider has to perform an interoperability check.

² If no EDC is implemented in the solution, at least the Data Management-API is subject of the certification.

³ Digital Twins have to contain the defined Specific Asset Ids. Additional use case specific data models have to be provided as Digital Twin submodels. If the respective data models are used, these have to be certified against the specification defined within the Industry Core standard.

⁴ When using certain features, the referenced section of the standard is required.



Modular System – Business Application Provider

| | | |
|---------------------------------|---|---|
| MaaS¹ | Manufacturing Capability Exchange: CX-0115 | Request for Quotation Exchange: CX-0129 |
| Connectivity² | CX-0018, CX-0152 | |
| Semantic | Digital Twin: CX-0002 or Agents: CX-0084 | |
| Provider Base | TISAX Level 2 is mandatory from July 2025, with grace period of 12 month, for all OSP, ESP and BAP and TISAX Level 3 is mandatory for CSP-A/B (as soon as the standard is adapted). | |

¹ Business Application Provider has to perform an interoperability check.

² If no EDC is implemented in the solution, at least the Data Management-API is subject of the certification.



Modular System – Business Application Provider

| | |
|--|---|
| Modular Production ¹ | Shop Floor Information Service: CX-0142 |
| Connectivity ² | CX-0018, CX-0152 |
| Semantic | Digital Twin: CX-0002 or Agents: CX-0084 |
| Provider Base | TISAX Level 2 is mandatory from July 2025, with grace period of 12 month, for all OSP, ESP and BAP and TISAX Level 3 is mandatory for CSP-A/B (as soon as the standard is adapted). |

¹ Business Application Provider has to perform an interoperability check.

² If no EDC is implemented in the solution, at least the Data Management-API is subject of the certification.



Modular System – Business Application Provider

| | |
|------------------------------------|---|
| DCM¹ | CX-0128 Additional⁵: CX-0146: <i>5.10 Supply Chain Disruption Notifications To enable a quick information flow outside a capacity group and the DCM process with regards to upcoming disruptions in the supply chain and potential effect beyond the one-to-one business relationship, a notifications functionality MAY be used. If a business partner decides to use this feature it MUST be used conforming to [CX-0146].</i> |
| Industry Core^{3,4} | CX-0126: <i>Regarding CX-0128: When registering Submodels with semanticId WeekBasedMaterialDemand, the data provider (supplier) MUST reuse the IDs mandated in [CX-0126], section 2.1.4.</i> <i>Regarding CX-0146: This standard utilizes the Catena-X Material Global Asset ID as an optional property in the DemandAndCapacityNotification aspect model, that needs to be compliant to standard [CX-0126] Industry Core: Part Type.</i> |
| Connectivity² | CX-0018, CX-0152 |
| Semantic | Digital Twin: CX-0002 or Agents: CX-0084 |
| Provider Base | TISAX Level 2 is mandatory from July 2025, with grace period of 12 month, for all OSP, ESP and BAP and TISAX Level 3 is mandatory for CSP-A/B (as soon as the standard is adapted). |

¹ Business Application Provider has to perform an interoperability check.

² If no EDC is implemented in the solution, at least the Data Management-API is subject of the certification.

³ When using certain features, the referenced section of the standard is required.

⁴ Digital Twins have to contain the defined Specific Asset Ids. Additional use case specific data models have to be provided as Digital Twin submodels. If the respective data models are used, these have to be certified against the specification defined within the Industry Core standard.

⁵ When using certain features, the referenced section of the standard is required.



Modular System – Business Application Provider

| | |
|------------------------------------|---|
| PURIS¹ | CX-0157 Additional⁴: CX-0146: <i>5.10 Supply Chain Disruption Notifications To enable a quick information flow outside a capacity group and the DCM process with regards to upcoming disruptions in the supply chain and potential effect beyond the one-to-one business relationship, a notifications functionality MAY be used. If a business partner decides to use this feature it MUST be used conforming to [CX-0146].</i> |
| Industry Core^{3,4} | CX-0126: The definition of identification data (Catena-X ID, Asset Administration Shell ID, specific asset ID) MUST follow the Industry Core Part Type [CX-0126]. |
| Connectivity² | CX-0018, CX-0152 |
| Semantic | Digital Twin: CX-0002 or Agents: CX-0084 |
| Provider Base | TISAX Level 2 is mandatory from July 2025, with grace period of 12 month, for all OSP, ESP and BAP and TISAX Level 3 is mandatory for CSP-A/B (as soon as the standard is adapted). |

¹ Business Application Provider has to perform an interoperability check.

² If no EDC is implemented in the solution, at least the Data Management-API is subject of the certification.

³ Digital Twins have to contain the defined Specific Asset Ids. Additional use case specific data models have to be provided as Digital Twin submodels. If the respective data models are used, these have to be certified against the specification defined within the Industry Core standard.

⁴ When using certain features, the referenced section of the standard is required.



Modular System – Business Application Provider

| | |
|---------------------------------|---|
| OSIM¹ | CX-0133 |
| Connectivity² | CX-0018, CX-0152 |
| Semantic | Digital Twin: CX-0002 or Agents: CX-0084 |
| Provider Base | TISAX Level 2 is mandatory from July 2025, with grace period of 12 month, for all OSP, ESP and BAP and TISAX Level 3 is mandatory for CSP-A/B (as soon as the standard is adapted). |

¹ Business Application Provider has to perform an interoperability check.

² If no EDC is implemented in the solution, at least the Data Management-API is subject of the certification.





Modular System – Business Application Provider

| | |
|---|---|
| Company Certificate Management¹ | CX-0135 |
| Connectivity² | CX-0018, CX-0152 |
| Semantic | Digital Twin: CX-0002 or Agents: CX-0084 |
| Provider Base | TISAX Level 2 is mandatory from July 2025, with grace period of 12 month, for all OSP, ESP and BAP and TISAX Level 3 is mandatory for CSP-A/B (as soon as the standard is adapted). |

¹ Business Application Provider has to perform an interoperability check.

² If no EDC is implemented in the solution, at least the Data Management-API is subject of the certification.



Modular System – Business Application Provider

| | |
|---------------------------------|---|
| Tariffs¹ | CX-0153 |
| Connectivity² | CX-0018, CX-0152 |
| Semantic | Digital Twin: CX-0002 or Agents: CX-0084 |
| Provider Base | TISAX Level 2 is mandatory from July 2025, with grace period of 12 month, for all OSP, ESP and BAP and TISAX Level 3 is mandatory for CSP-A/B (as soon as the standard is adapted). |

¹ Business Application Provider has to perform an interoperability check.

² If no EDC is implemented in the solution, at least the Data Management-API is subject of the certification.



Modular System – Business Application Provider

| Engineering ¹ | CX-0154 | CX-0155 | CX-0156 |
|------------------------------|---|---------|---------|
| Industry Core ^{3,4} | CX-0126: The definition of identification data (Catena-X ID, Asset Administration Shell ID, specific asset ID) MUST follow the Industry Core Part Type [CX-0126]. CX-0151 | | |
| Connectivity ² | CX-0018, CX-0152 | | |
| Semantic | Digital Twin: CX-0002 or Agents: CX-0084 | | |
| Provider Base | TISAX Level 2 is mandatory from July 2025, with grace period of 12 month, for all OSP, ESP and BAP and TISAX Level 3 is mandatory for CSP-A/B (as soon as the standard is adapted). | | |

¹ Business Application Provider has to perform an interoperability check.

² If no EDC is implemented in the solution, at least the Data Management-API is subject of the certification.

³ Digital Twins have to contain the defined Specific Asset Ids. Additional use case specific data models have to be provided as Digital Twin submodels. If the respective data models are used, these have to be certified against the specification defined within the Industry Core standard.

⁴ When using certain features, the referenced section of the standard is required.



Modular System – Business Application Provider

| | |
|------------------------------------|---|
| SBOM¹ | CX-0158 Additional: CX-0125 |
| Industry Core^{3,4} | CX-0126: The definition of identification data (Catena-X ID, Asset Administration Shell ID, specific asset ID) MUST follow the Industry Core Part Type [CX-0126]. CX-0151 |
| Semantic | Digital Twin: CX-0002 or Agents: CX-0084 |
| Provider Base | TISAX Level 2 is mandatory from July 2025, with grace period of 12 month, for all OSP, ESP and BAP and TISAX Level 3 is mandatory for CSP-A/B (as soon as the standard is adapted). |

¹ Business Application Provider has to perform an interoperability check.

² If no EDC is implemented in the solution, at least the Data Management-API is subject of the certification.

³ Digital Twins have to contain the defined Specific Asset Ids. Additional use case specific data models have to be provided as Digital Twin submodels. If the respective data models are used, these have to be certified against the specification defined within the Industry Core standard.

⁴ When using certain features, the referenced section of the standard is required.



Modular System – Business Application Provider

| | |
|--|---|
| Material Accounting¹ | CX-0159 |
| Industry Core^{3,4} | CX-0127 |
| Semantic | Digital Twin: CX-0002 or Agents: CX-0084 |
| Provider Base | TISAX Level 2 is mandatory from July 2025, with grace period of 12 month, for all OSP, ESP and BAP and TISAX Level 3 is mandatory for CSP-A/B (as soon as the standard is adapted). |

¹ Business Application Provider has to perform an interoperability check.

² If no EDC is implemented in the solution, at least the Data Management-API is subject of the certification.

³ Digital Twins have to contain the defined Specific Asset Ids. Additional use case specific data models have to be provided as Digital Twin submodels. If the respective data models are used, these have to be certified against the specification defined within the Industry Core standard.

⁴ When using certain features, the referenced section of the standard is required.

The background features two large, overlapping, stylized shapes. The left shape is filled with orange diagonal stripes, and the right shape is filled with green vertical stripes. The text is centered over the white space between these shapes.

Data Provider & Consumer and Enablement Service Provider



Modular System – Data Provider and Consumer

Connector

When using a CX-Certified enablement service, no separate certification is required

CX-0018
CX-0152

Additional¹:

CX-0002
CX-0003
CX-0005
CX-0007
CX-0045
CX-0055
CX-0084
CX-0126
CX-0127

¹ If “Additional” Standards are used or offered in a Solution, the certification of these Standards is required.



Modular System – Data Provider and Consumer

Participant Wallet

When using a CX-Certified enablement service, no separate certification is required

CX-0149



Modular System – Enablement Service Provider

| | |
|-------------------------------|--|
| Connector as a Service | Connector as a Service CX-0018 |
| | Additional¹: Backend Integration Pattern 1 CX-0002 CX-0003 CX-0055 |
| | Additional¹: Backend Integration Pattern 2 CX-0055 CX-0084 |
| | Additional¹: Simple Data Exchanger CX-0007 |
| | Additional¹: Data Chain CX-0005 CX-0045 |
| Provider Base | TISAX Level 2 is mandatory from July 2025, with grace period of 12 month, for all OSP, ESP and BAP. TISAX Level 3 is mandatory for CSP-A/B (as soon as the standard is adapted). |

¹ If “Additional” Standards are used or offered in a Solution, the certification of these Standards is required.



Modular System – Enablement Service Provider

| | |
|---|--|
| Digital Twin Registry as a Service | Digital Twin Registry aaS CX-0002 |
| | Additional¹: Backend Integration Pattern 1 CX-0002 CX-0003 CX-0055 |
| | Additional¹: Backend Integration Pattern 2 CX-0055 CX-0084 |
| | Additional¹: Simple Data Exchanger CX-0007 |
| | Additional¹: Data Chain CX-0005 CX-0045 |
| Provider Base | TISAX Level 2 is mandatory from July 2025, with grace period of 12 month, for all OSP, ESP and BAP. TISAX Level 3 is mandatory for CSP-A/B (as soon as the standard is adapted). |

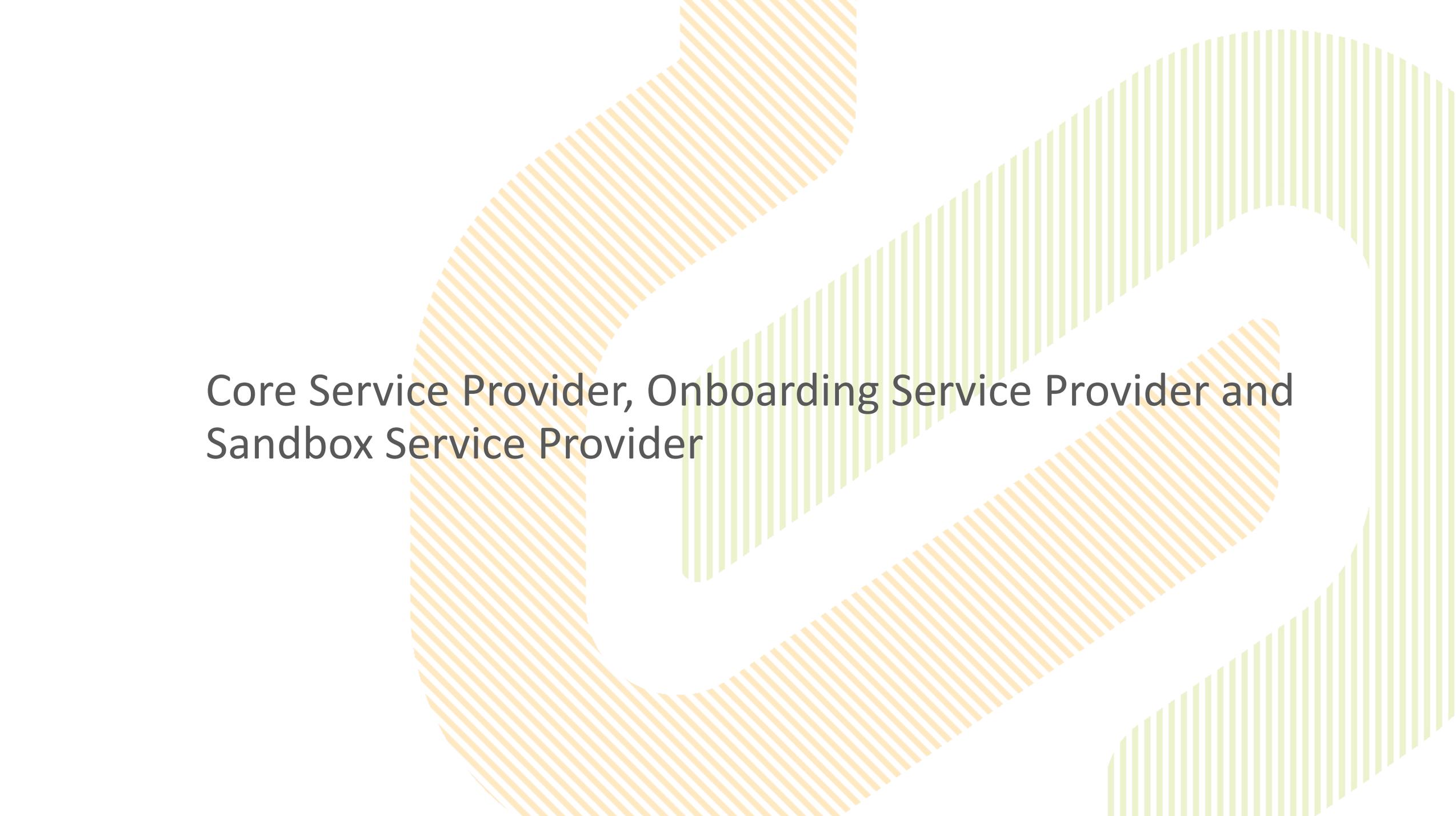
¹ If “Additional” Standards are used or offered in a Solution, the certification of these Standards is required.



Modular System – Enablement Service Provider

| | |
|----------------------------|--|
| Wallet as a Service | Participant Wallet CX-0149 |
| | Additional¹: Backend Integration Pattern 1 CX-0002 CX-0003 CX-0055 |
| | Additional¹: Backend Integration Pattern 2 CX-0055 CX-0084 |
| | Additional¹: Simple Data Exchanger CX-0007 |
| | Additional¹: Data Chain CX-0005 CX-0045 |
| Provider Base | TISAX Level 2 is mandatory from July 2025, with grace period of 12 month, for all OSP, ESP and BAP. TISAX Level 3 is mandatory for CSP-A/B (as soon as the standard is adapted). |

¹ If “Additional” Standards are used or offered in a Solution, the certification of these Standards is required.

The background features two large, overlapping, stylized shapes. The left shape is filled with orange diagonal stripes, and the right shape is filled with green vertical stripes. The text is centered over the white space between these shapes.

Core Service Provider, Onboarding Service Provider and
Sandbox Service Provider



Modular System – Core Service Provider

Core Service Provider¹

Identity Wallet:

CX-0049
CX-0050
CX-0149

Portal:

CX-0001
CX-0006
CX-0009
CX-0053

Marketplace:

CX-0054

BPDM:

CX-0010
CX-0012
CX-0074
CX-0076

Provider Base

TISAX Level 2 is mandatory from July 2025, with grace period of 12 month, for all OSP, ESP and BAP. TISAX Level 3 is mandatory for CSP-A/B (as soon as the standard is adapted).

¹ Core Services B lists Core Services that can only be operated once in the Catena-X data space due to business reasons or technical limitations and are therefore tendered via the nomination process of the Association.



Modular System – Onboarding Service Provider

Onboarding Service Provider¹

CX-0006
CX-0009

Provider Base

TISAX Level 2 is mandatory from July 2025, with grace period of 12 month, for all OSP, ESP and BAP. TISAX Level 3 is mandatory for CSP-A/B (as soon as the standard is adapted).

¹ Limitations Jupiter: this role currently only covers part of the registration process in the Catena-X data space. The currently available process is depicted in figure “General Onboarding Process”.

Modular System – Sandbox Service Provider



Sandbox Services¹

Onboarding:

CX-0006
CX-0009

BPDM:

CX-0010
CX-0012
CX-0074

Identity Wallet:

CX-0049
CX-0050
CX-0149

Portal:

CX-0001
CX-0006
CX-0009
CX-0053
CX-0074

Marketplace:

CX-0054

Golden Record (optional):

CX-0076

Provider Base

TISAX Level 2 is mandatory from July 2025, with grace period of 12 month, for all OSP, ESP and BAP. TISAX Level 3 is mandatory for CSP-A/B (as soon as the standard is adapted).

¹ Catena-X Sandboxes contain all services required for the operation of a minimum valuable Catena-X data space, namely: CSP-B services (excluding the cleansing service of BPDM and GXDCH integration) and OSP services.

Value Added Services





Modular System – Value Added Services

| Value Added Services¹ | Data Quality Dashboard: CX-0076 CX-0077 | Bank Data Verification: CX-0078 | Natural Person Screening: CX-0079 | BPDM Fraud Prevention CX-0080 | Country Risk: CX-0081 | Sanction Watchlist Dashboard: CX-0116 |
|---|--|---|---|---|---------------------------------|---|
| Provider Base | TISAX Level 2 is mandatory from July 2025, with grace period of 12 month, for all OSP, ESP and BAP. TISAX Level 3 is mandatory for CSP-A/B (as soon as the standard is adapted). | | | | | |

¹ Can only be provided in combination with certified Core Services.

Changelog



Changelog

- Added
 - Added Engineering as a new Use Case.
 - Added SBOM as a new Use Case.
 - Added Material Accounting as a new Use Case.
- Changed
 - Five PURIS Standards were consolidated into one PURIS Standard.
- Deprecated
 - CX-0014
 - CX-0015
- Removed
 - Removed CX-0018 from Sandbox Service Provider.

