Pre-contractual information for Connected Products acc. Art. 3 No 2 Data Act

Connected Product: Codex MES

1. **Type, format and estimated volume of product data**

GEA Codex MES Common Features

a) Type of data: Areas (Production zones and areas) and Equipment
b) Format of data: Stored and moved in SQL bool,int,real,datetime,string
c) Estimated volume of data: 10Mb*

GEA Codex MES Factory Connector

a) Type of data: Process Data (Control Modules, sensors and actuators), process setpoint/parameters.
b) Format of data: Stored and moved in SQL/PLC bool,int,real,datetime,string
c) Estimated volume of data: 100Mb*

GEA Codex MES Scheduler

a) Type of data: Work Orders. Production order-high level
b) Format of data: Stored and moved in SQL bool,int,real,datetime,string
c) Estimated volume of data: 5Gb*

GEA Codex MES Entreprise Connect

a) Type of data: Work Orders production order-high level
b) Format of data: Received JSON/XML then stored and moved in SQL bool,int,real,datetime,string
c) Estimated volume of data: 1Gb*

GEA Codex MES - Operation Station Computer or Virtual Machine or Server (Hardware)

a) Type of data: Areas (production zones and areas). Process Data (Control Modules, sensors and actuators), process setpoint/parameters.
b) Format of data: Data format (bool, byte, word, int, dint, real, char, string, time, date, udint, lint, ULInt, Lreal). PC .ISO, .IMG, .DMG, .WIM. Virtual Machine. VMDK, VMX, OVA/.OVF, .VHD/.VHDX, .XML, .VHDX.
c) Estimated volume of data: 200Gb*

GEA Codex MES SQL

a) Type of data: Areas (production zones and areas). Process Data (Control Modules, sensors and actuators), process setpoint/parameters.
b) Format of data: Data format (bool, byte, word, int, dint, real, char, string, time, date, udint, lint, ULInt, Lreal). SQL. .bak
c) Estimated volume of data: 10Gb*

2. **Continuous and real-time data generation**

All parts listed under 1. are able to generate data continuously and in real time.

3. **Storage of data**

GEA Codex MES Common Features

a) Storage on device: Yes
b) Storage on server: Yes, optional
c) Intended storage period (if applicable): Configurable by customer

* total volume at any given moment for an average factory
Status as of 12.09.2025

GEA Codex MES Factory Connector

a) Storage on device: Yes
b) Storage on server: Yes, optional
c) Intended storage period (if applicable): Configurable by customer

GEA Codex MES Scheduler

a) Storage on device: Yes
b) Storage on server: Yes, optional
c) Intended storage period (if applicable): Configurable by customer

GEA Codex MES Entreprise Connect

a) Storage on device: Yes
b) Storage on server: Yes, optional
c) Intended storage period (if applicable):

GEA Codex MES - Operation Station Computer or Virtual Machine or Server (Hardware)

a) Storage on device: Yes
b) Storage on server: Yes, optional
c) Intended storage period (if applicable): Usually permanent. Configurable by customer

GEA Codex MES SQL

a) Storage on device: Yes
b) Storage on server: Yes, optional
c) Intended storage period (if applicable): Configurable by customer

4. Access, retrieval and erasure of data

GEA Codex MES Common Features

Access and retrieval: User can access data via a web page inside customer factory network. No external access
Erasure of data: The user can erase data via the web interface. Important data is kept for auditing purposes for a period of time the customer can configure
Technical means: Rest API, SQL Connection. GEA (https://www.gea.com/en/products/automation-control/manufacture-execution-system/codex-mes/)

GEA Codex MES Factory Connector

Access and retrieval: User can access data via a web page inside customer factory network. Customer ERP can send/receive data via REST-API calls inside customer factory network
Erasure of data: The user can erase data via the web interface. Important data is kept for auditing purposes for a period of time the customer can configure
Technical means: Drivers depending on Industrial Protocol (OPC UA, MQTT, S7, etc.). GEA (https://www.gea.com/en/products/automation-control/manufacture-execution-system/codex-mes/)

GEA Codex MES Scheduler

Access and retrieval: User can access data via a web page inside customer factory network. No external access
Erasure of data: The user can erase data via the web interface. Important data is kept for auditing purposes for a period of time the customer can configure
Technical means: Rest API, SQL Connection. GEA (https://www.gea.com/en/products/automation-control/manufacture-execution-system/codex-mes/)

GEA Codex MES Entreprise Connect

Access and retrieval: User can access data via a web page inside customer factory network. No external access
Erasure of data: The user can erase data via the web interface. Important data is kept for auditing purposes for a period of time the customer can configure
Technical means: Drivers depending on Industrial Protocol (OPC UA, MQTT, S7, etc.). GEA (https://www.gea.com/en/products/automation-control/manufacture-execution-system/codex-mes/)

GEA Codex MES - Operation Station Computer or Virtual Machine or Server (Hardware)

Access and retrieval: User can access data via a web page inside customer factory network. No external access
Erasure of data: Customer has full control of it, being able to decide if and when to erase
Technical means: Drivers depending on Industrial Protocol (OPC UA, MQTT, S7, etc.). GEA (https://www.gea.com/en/products/automation-control/manufacture-execution-system/codex-mes/)

GEA Codex MES SQL

Access and retrieval: No direct access for final user
Erasure of data: Important data is kept for auditing purposes for a period of time the customer can configure
Technical means: Rest API, SQL Connection. GEA (https://www.gea.com/en/products/automation-control/manufacture-execution-system/codex-mes/)

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Further information:
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