

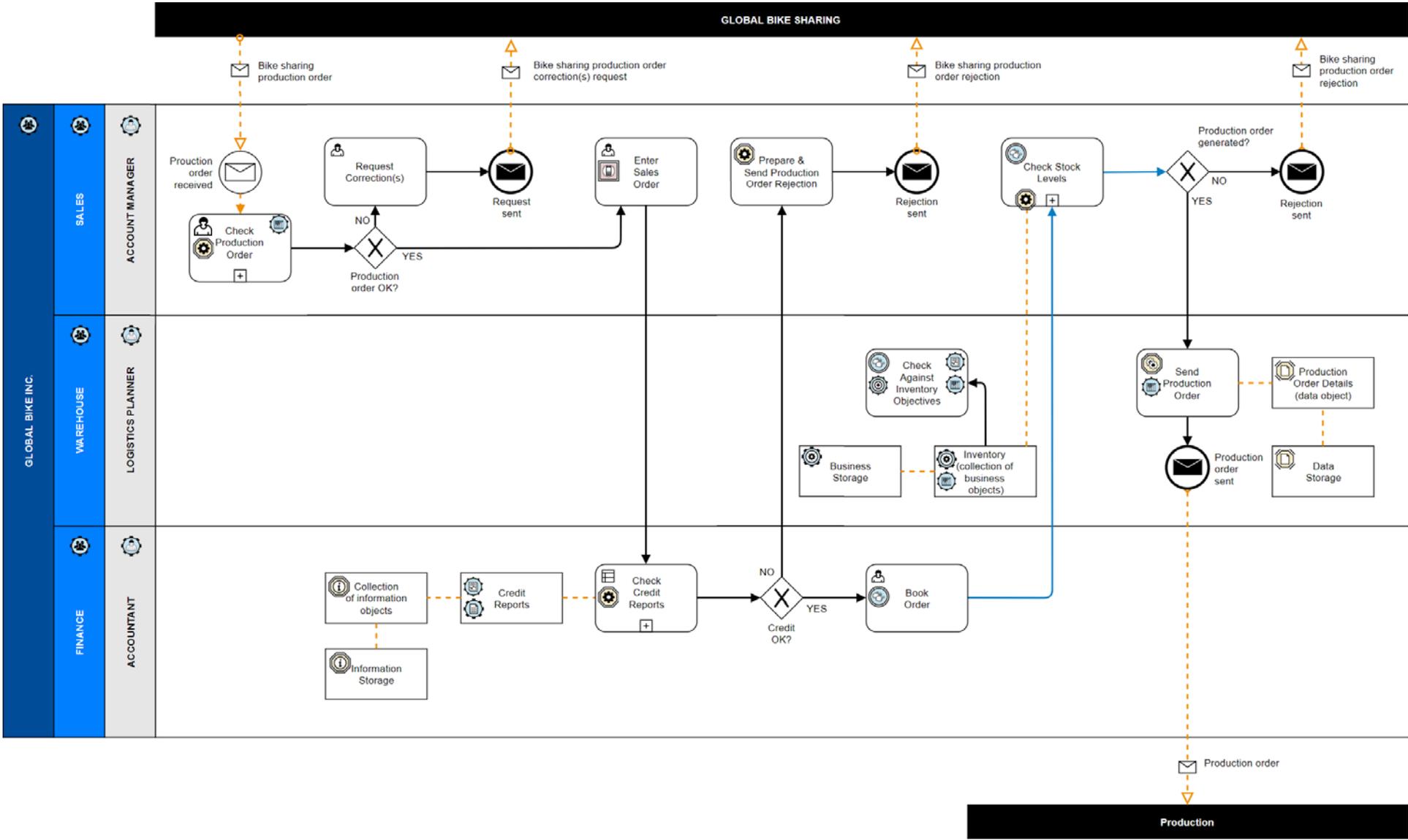
E+ Case Story: GBI Production & GBS Retailer Case

A detailed view of the various enterprise modelling capabilities within E+

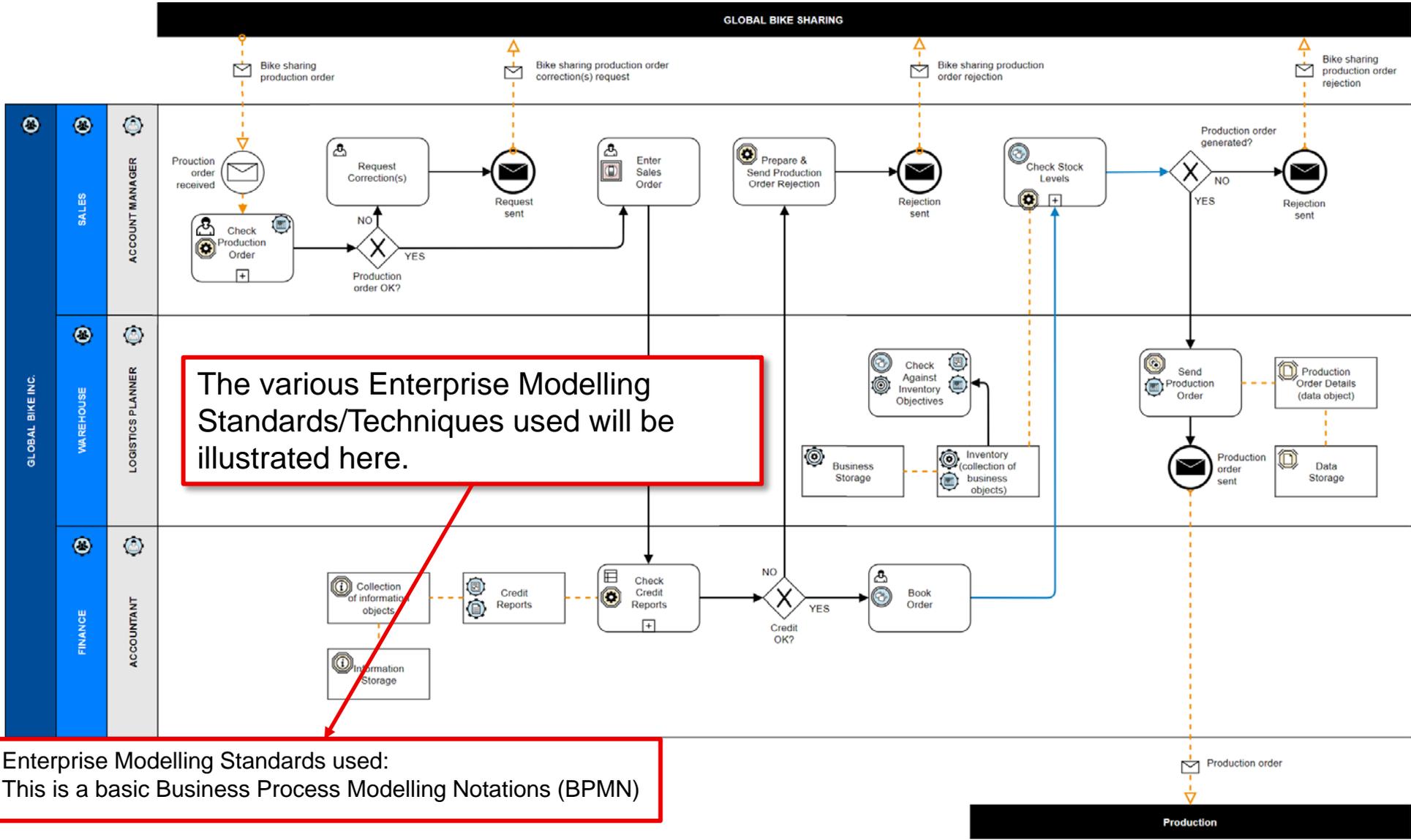
Agenda

- **Overview of the GBI Production & GBS Retailer view**
 - Basic Business Process Modelling Notations (BPMN) concepts
 - The Competency Modelling Notations (CMN) concepts
 - Value Modelling Notations (VMN) concepts
 - Service Modelling Notations (SMN) concepts
 - Information Modelling Notations (IMN) concepts
 - Application Modelling Notations (AMN) concepts
 - Data Modelling Notations (DMN) concepts
 - Technology Modelling Notations (TMN) concepts
 - Platform Modelling Notations (PMN) concepts
 - Infrastructure Modelling Notations (INFRMN) concepts
- **Creating your Enterprise Modelling Objects**
- **Creating your GBI Production & GBS Retailer Model**

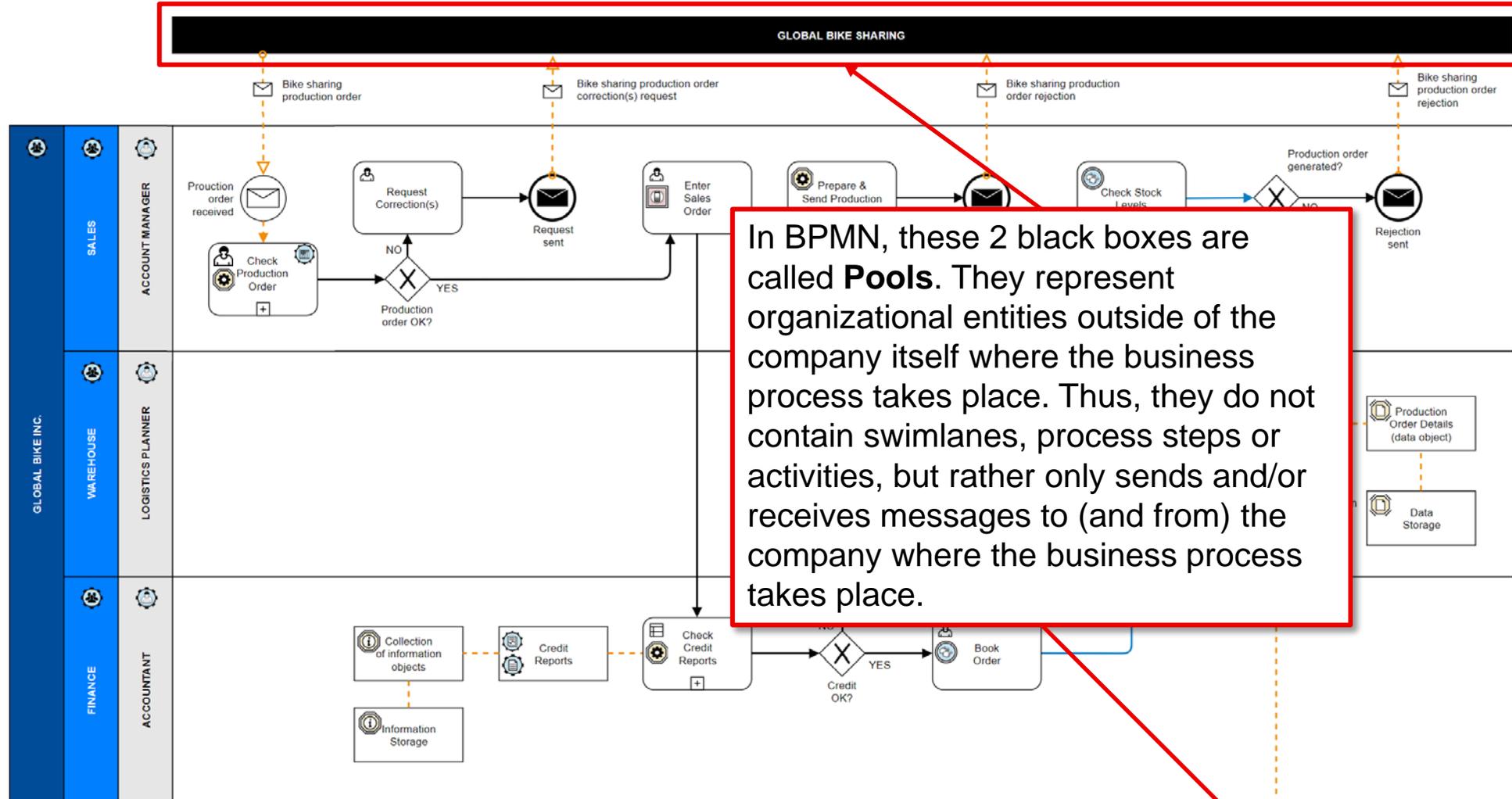
Overview of the GBI Production & GBS Retailer business process model



Overview of the GBI Production & GBS Retailer business process model



Pools

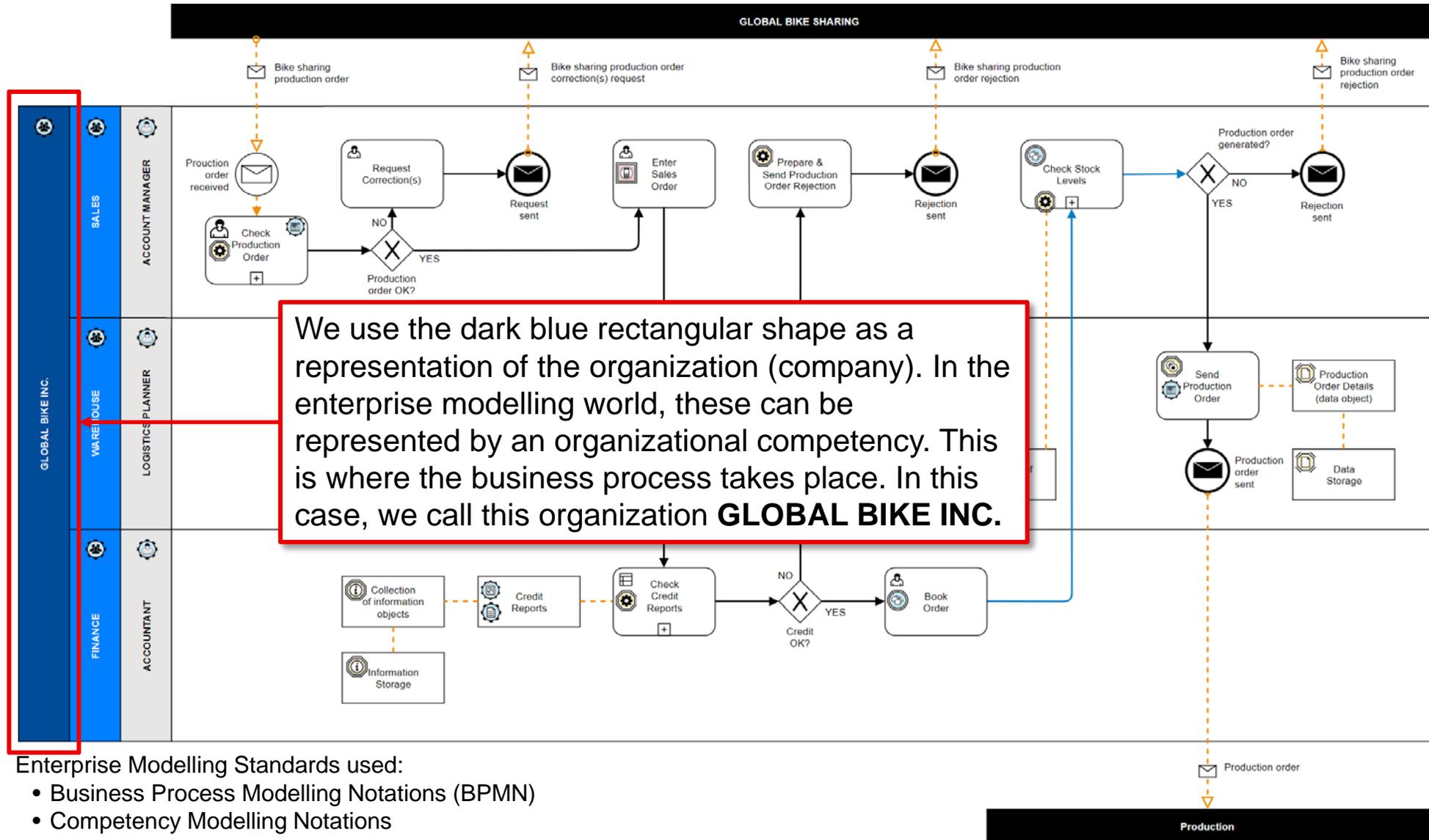


In BPMN, these 2 black boxes are called **Pools**. They represent organizational entities outside of the company itself where the business process takes place. Thus, they do not contain swimlanes, process steps or activities, but rather only sends and/or receives messages to (and from) the company where the business process takes place.

Enterprise Modelling Standards used:

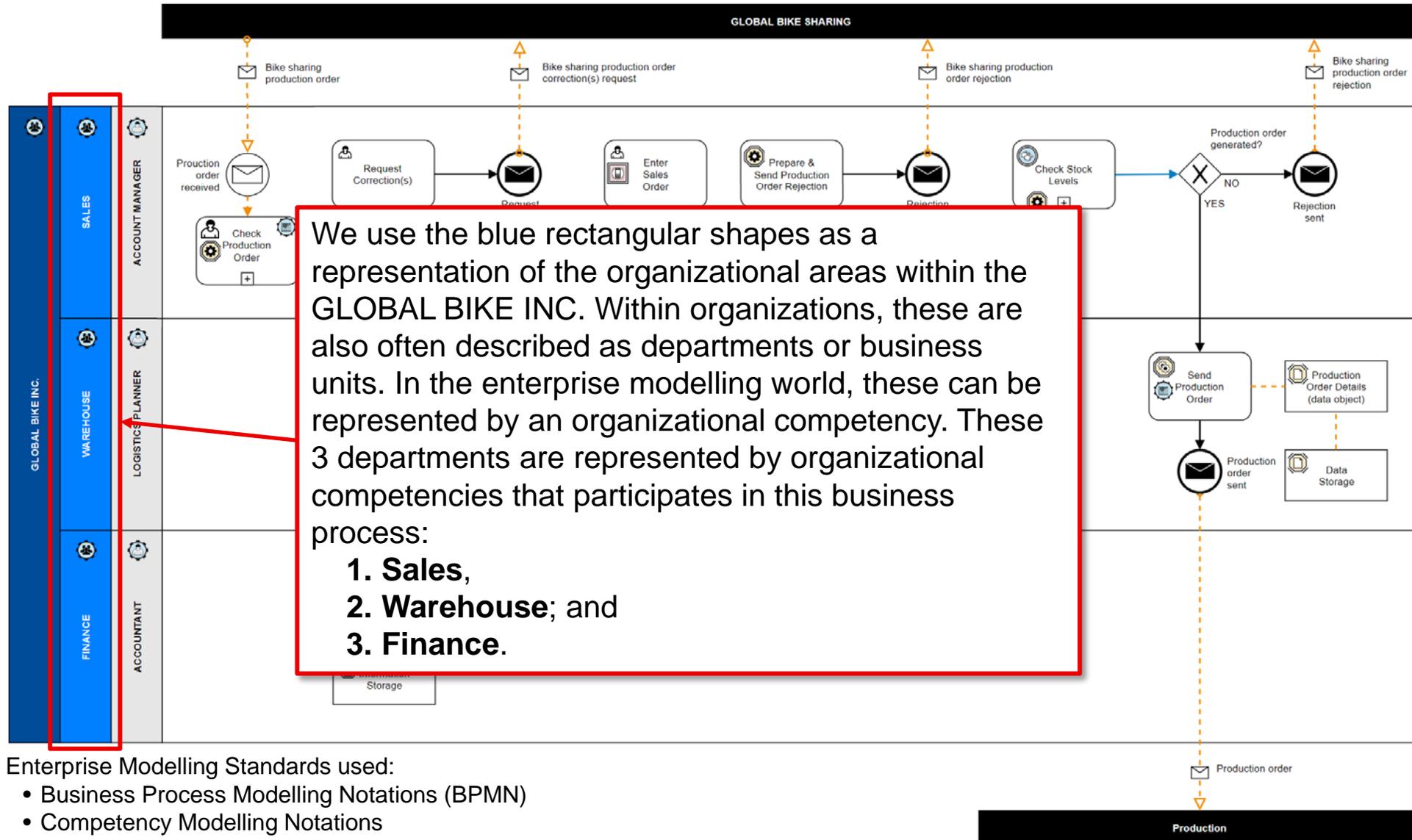
- Business Process Modelling Notations (BPMN)

GLOBAL BIKE INC (Organization)

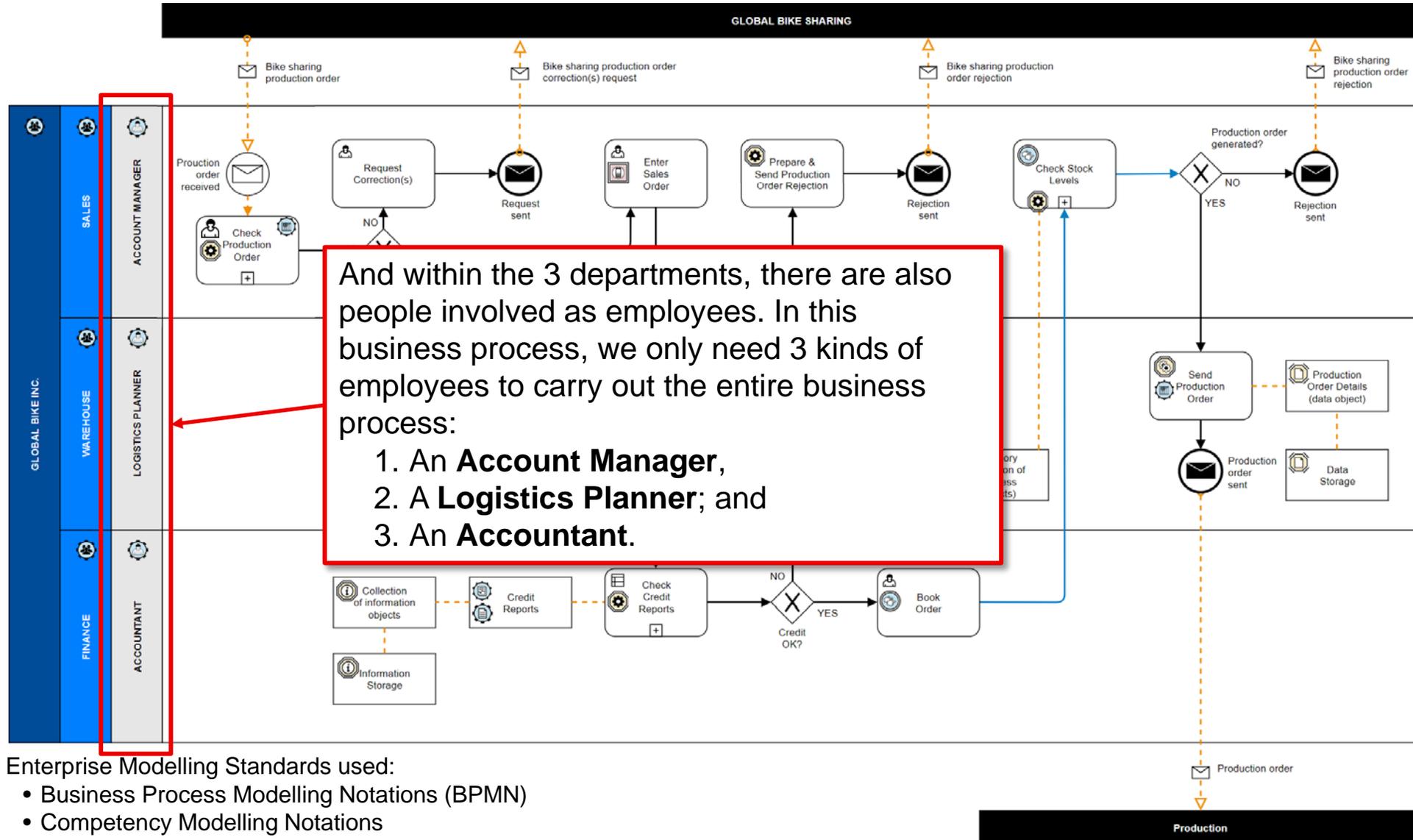


We use the dark blue rectangular shape as a representation of the organization (company). In the enterprise modelling world, these can be represented by an organizational competency. This is where the business process takes place. In this case, we call this organization **GLOBAL BIKE INC.**

Sales, Warehouse and Finance (Organizations)



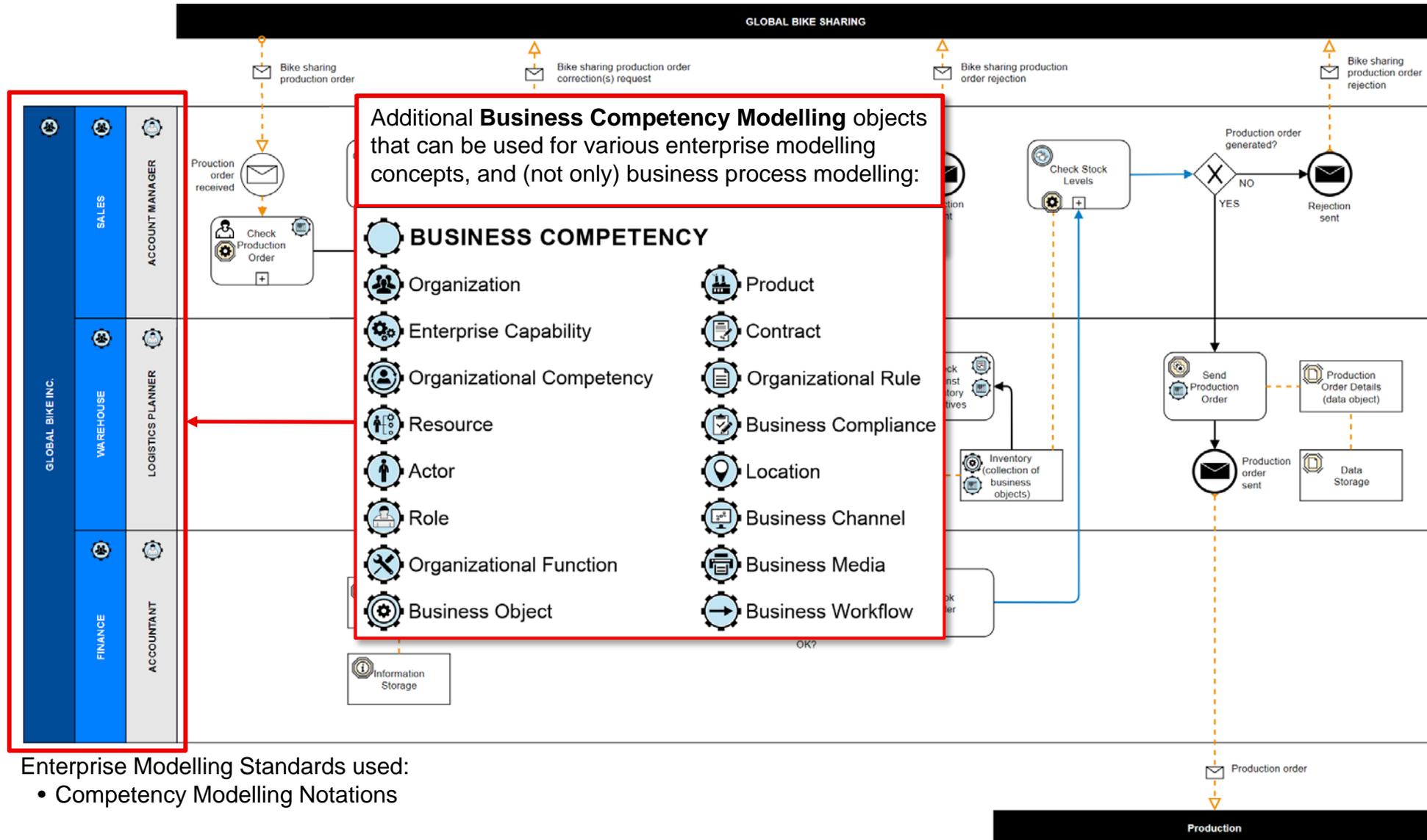
Account Manager, Logistics Planner and Accountant (Roles)



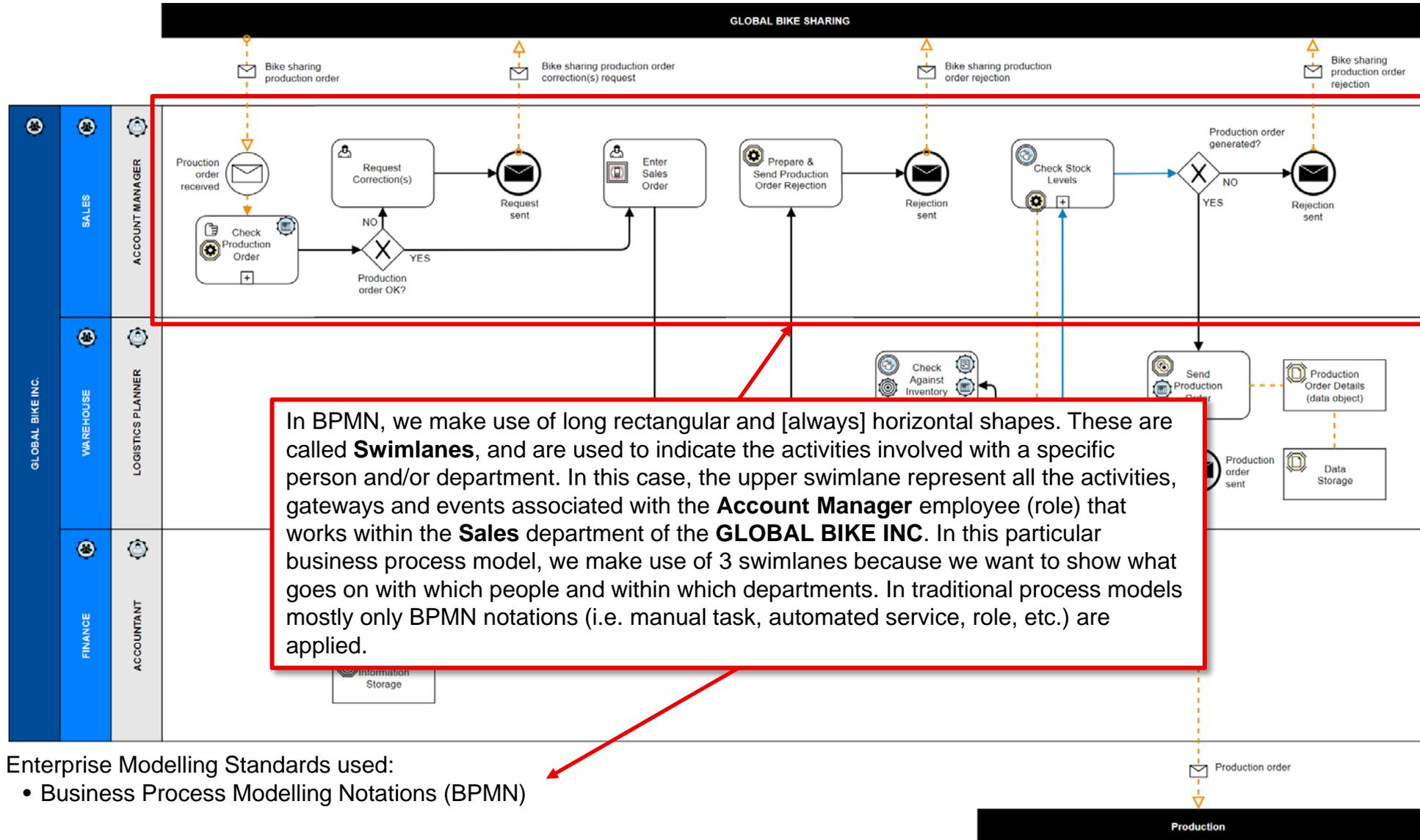
Enterprise Modelling Standards used:

- Business Process Modelling Notations (BPMN)
- Competency Modelling Notations

Additional Business Competency Sublayer objects that can be used



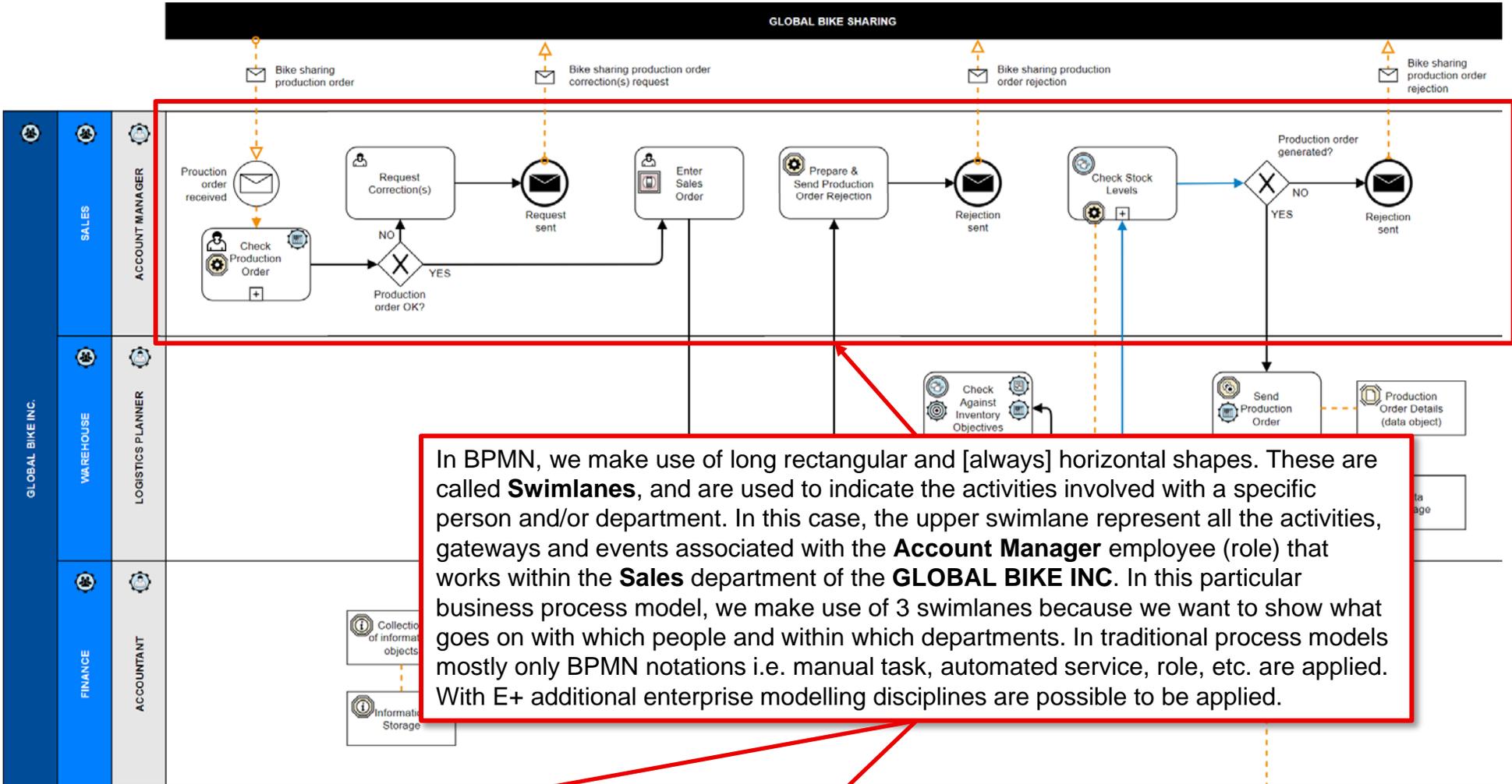
Swimlanes



In BPMN, we make use of long rectangular and [always] horizontal shapes. These are called **Swimlanes**, and are used to indicate the activities involved with a specific person and/or department. In this case, the upper swimlane represent all the activities, gateways and events associated with the **Account Manager** employee (role) that works within the **Sales** department of the **GLOBAL BIKE INC.** In this particular business process model, we make use of 3 swimlanes because we want to show what goes on with which people and within which departments. In traditional process models mostly only BPMN notations (i.e. manual task, automated service, role, etc.) are applied.

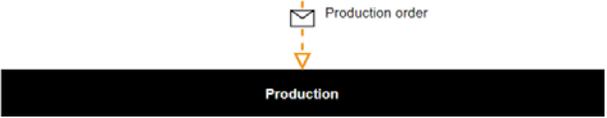
- Enterprise Modelling Standards used:
- Business Process Modelling Notations (BPMN)

Additional enterprise modelling disciplines within E+

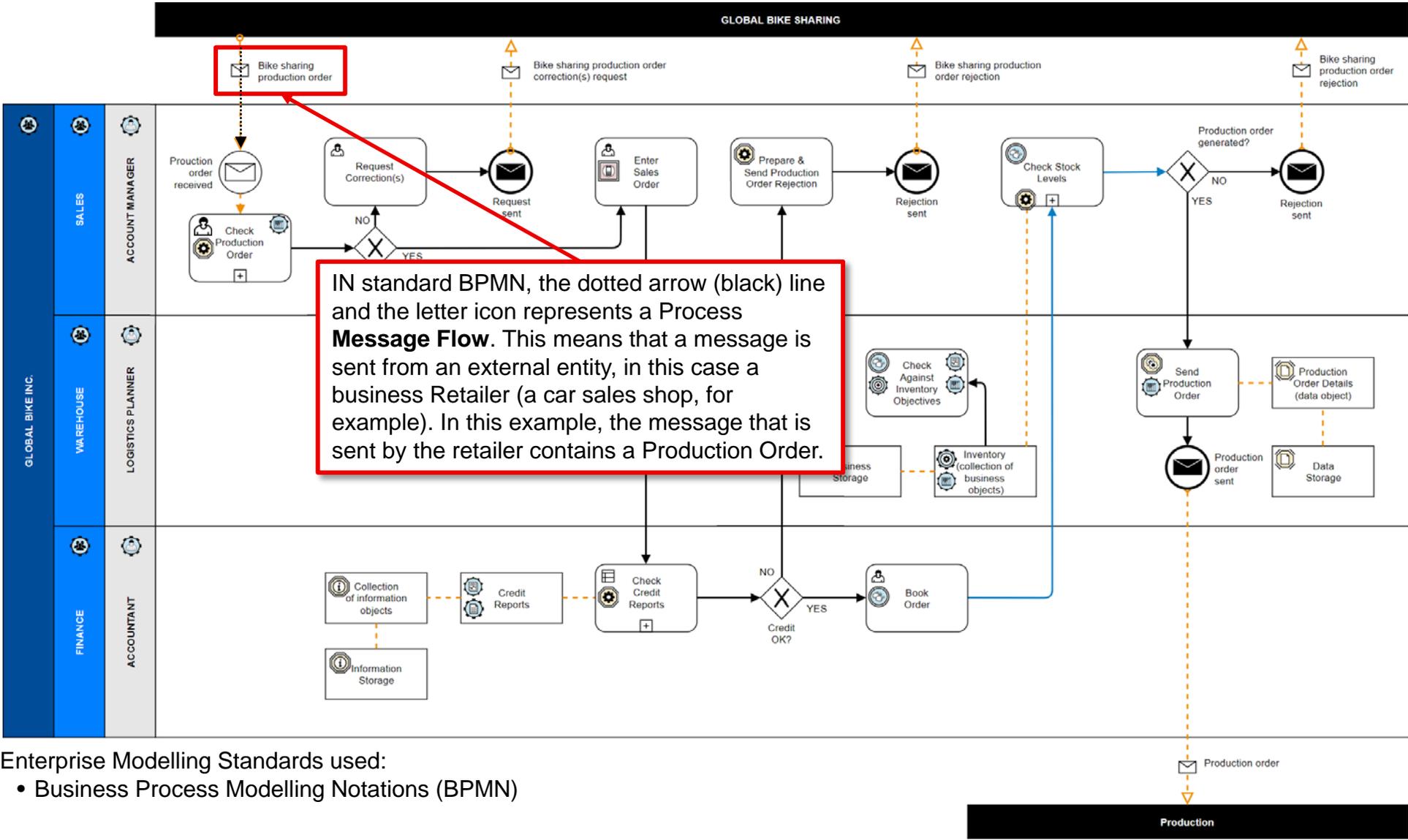


Enterprise Modelling Standards used:

- Value Modelling Notations
- Competency Modelling Notations
- Service Modelling Notations
- Application Modelling Notations
- Data Modelling Notations
- Technology Modelling Notations



BPMN: Message Flows

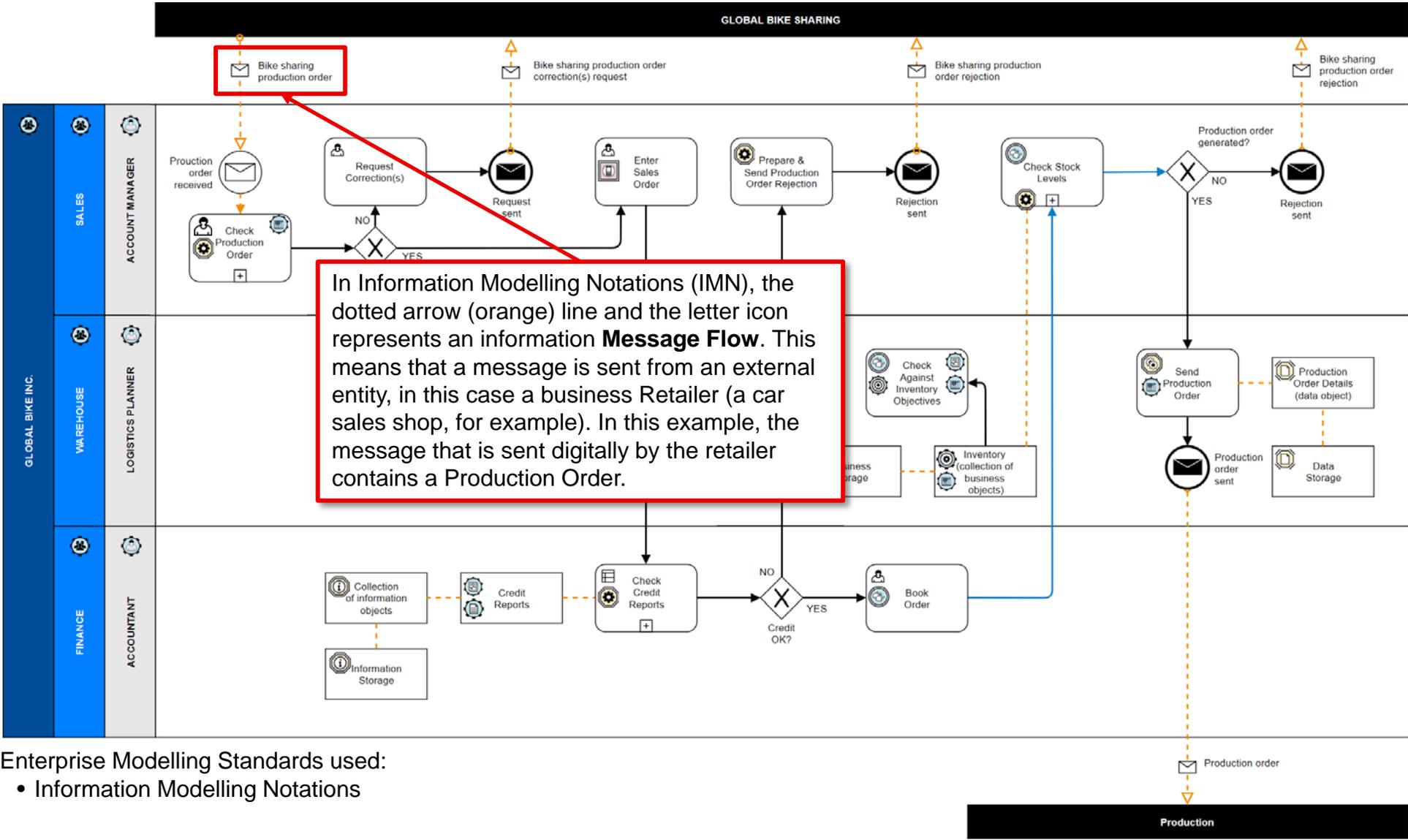


IN standard BPMN, the dotted arrow (black) line and the letter icon represents a Process **Message Flow**. This means that a message is sent from an external entity, in this case a business Retailer (a car sales shop, for example). In this example, the message that is sent by the retailer contains a Production Order.

Enterprise Modelling Standards used:

- Business Process Modelling Notations (BPMN)

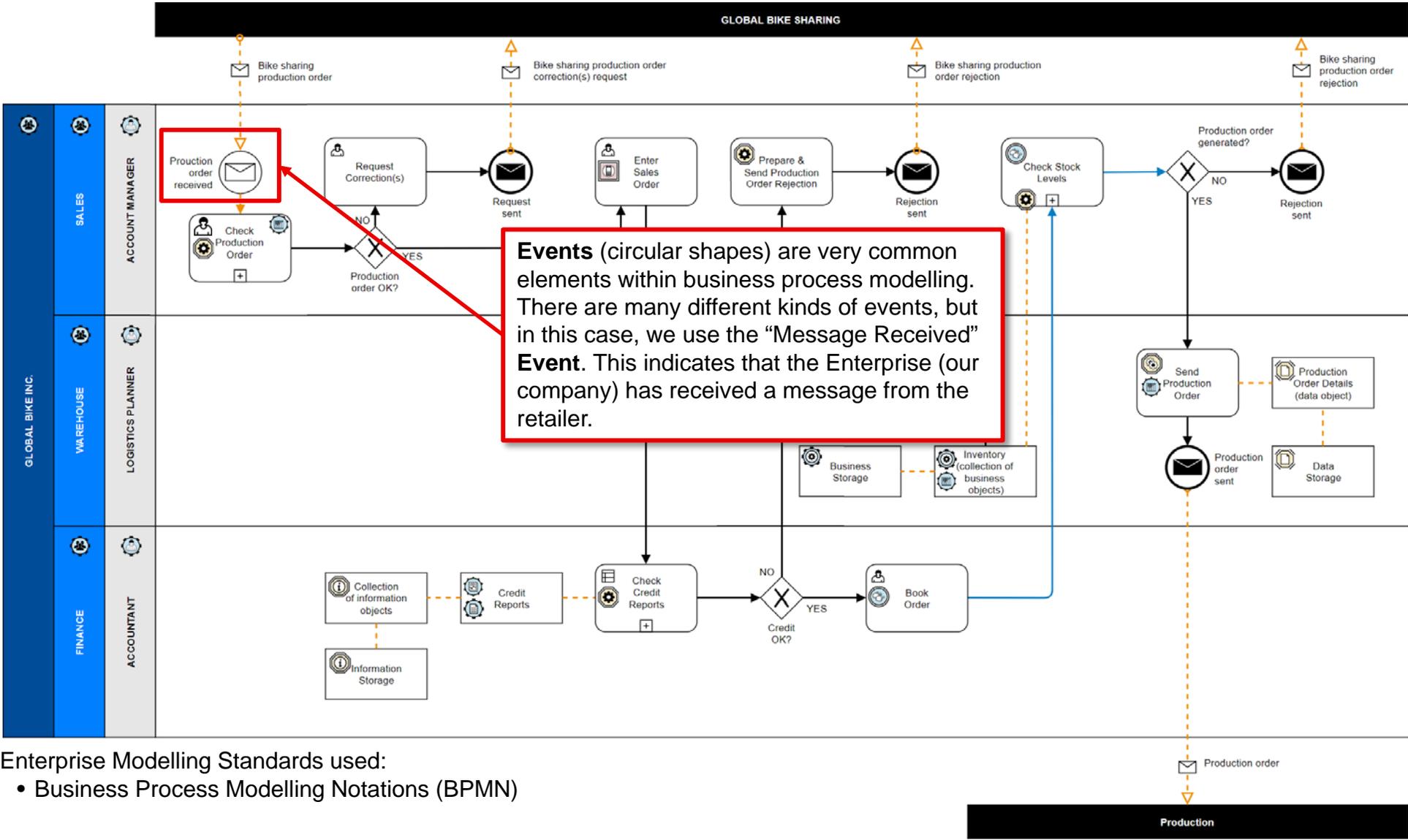
IMN: Message Flows



Enterprise Modelling Standards used:

- Information Modelling Notations

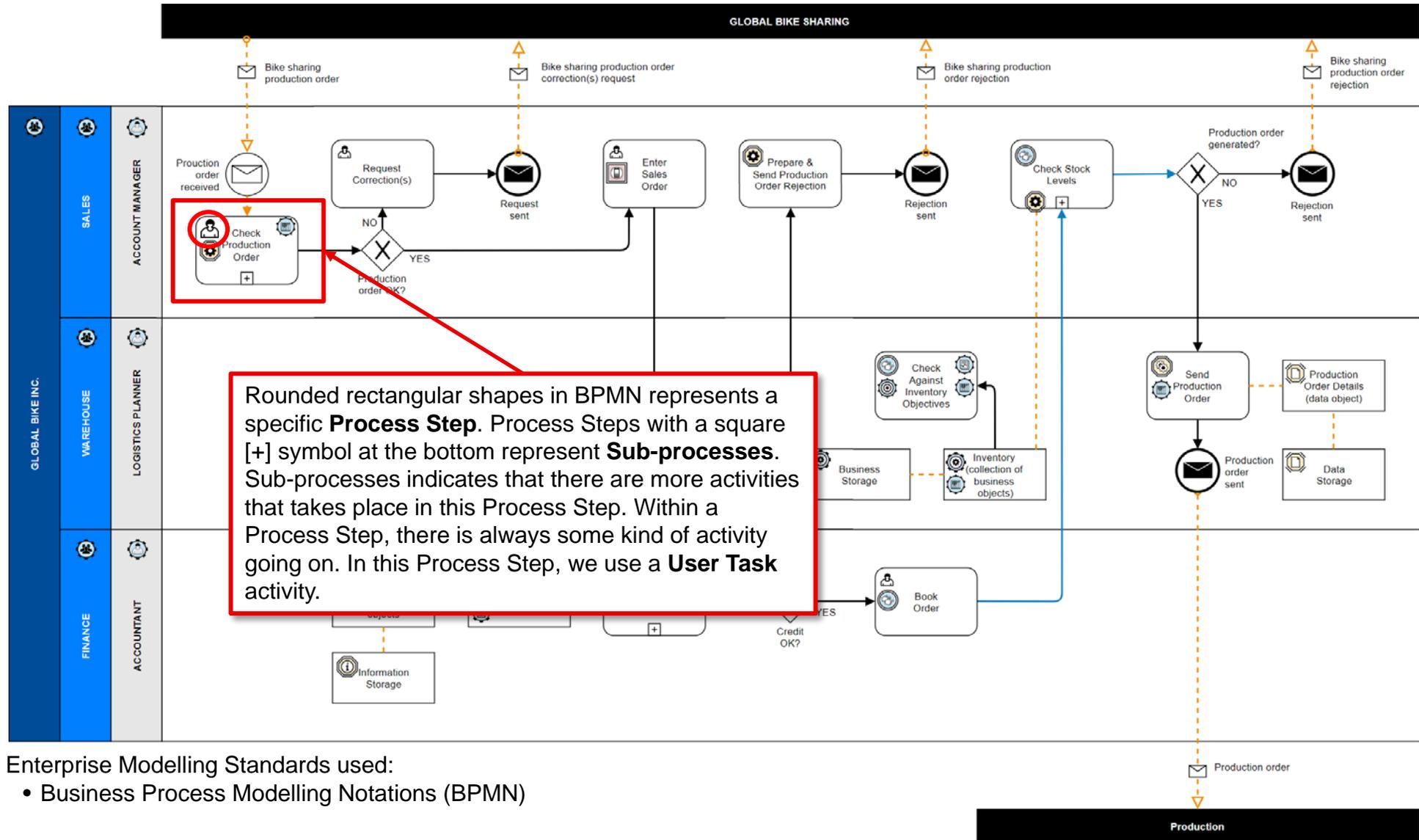
Events



Enterprise Modelling Standards used:

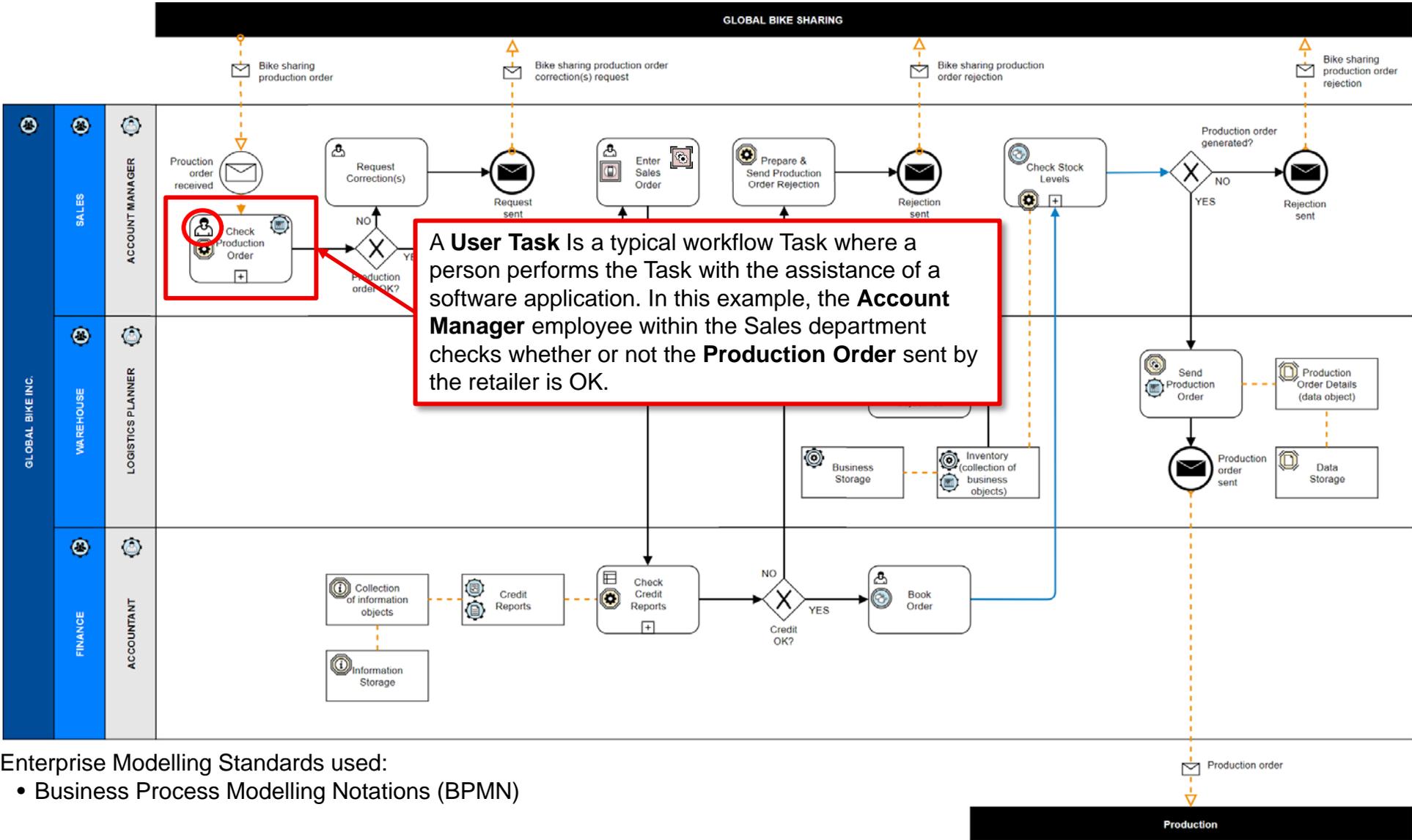
- Business Process Modelling Notations (BPMN)

BPMN: Process Steps



Rounded rectangular shapes in BPMN represents a specific **Process Step**. Process Steps with a square [+] symbol at the bottom represent **Sub-processes**. Sub-processes indicates that there are more activities that takes place in this Process Step. Within a Process Step, there is always some kind of activity going on. In this Process Step, we use a **User Task** activity.

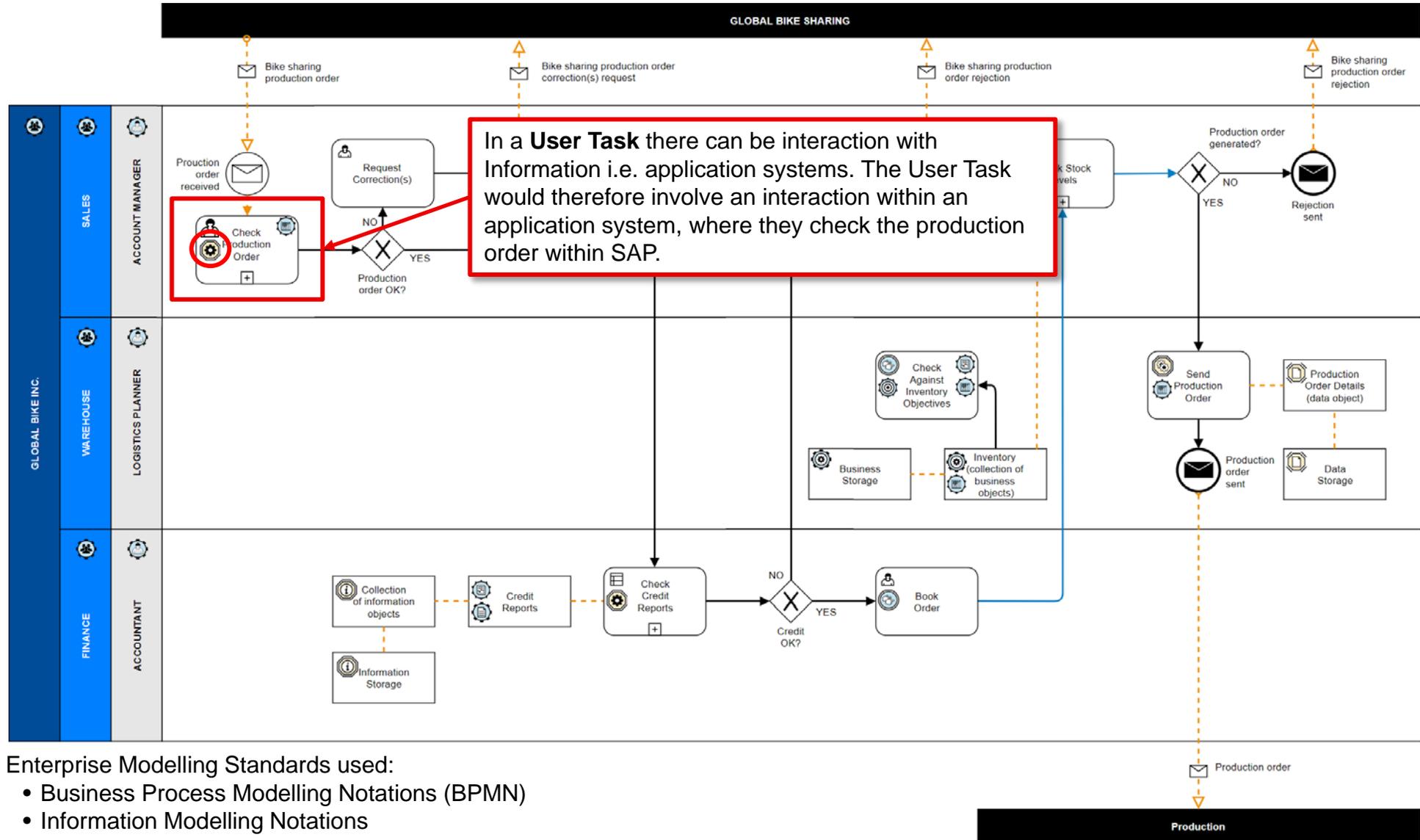
User Task (process activity), SAP Automated Task and Measure



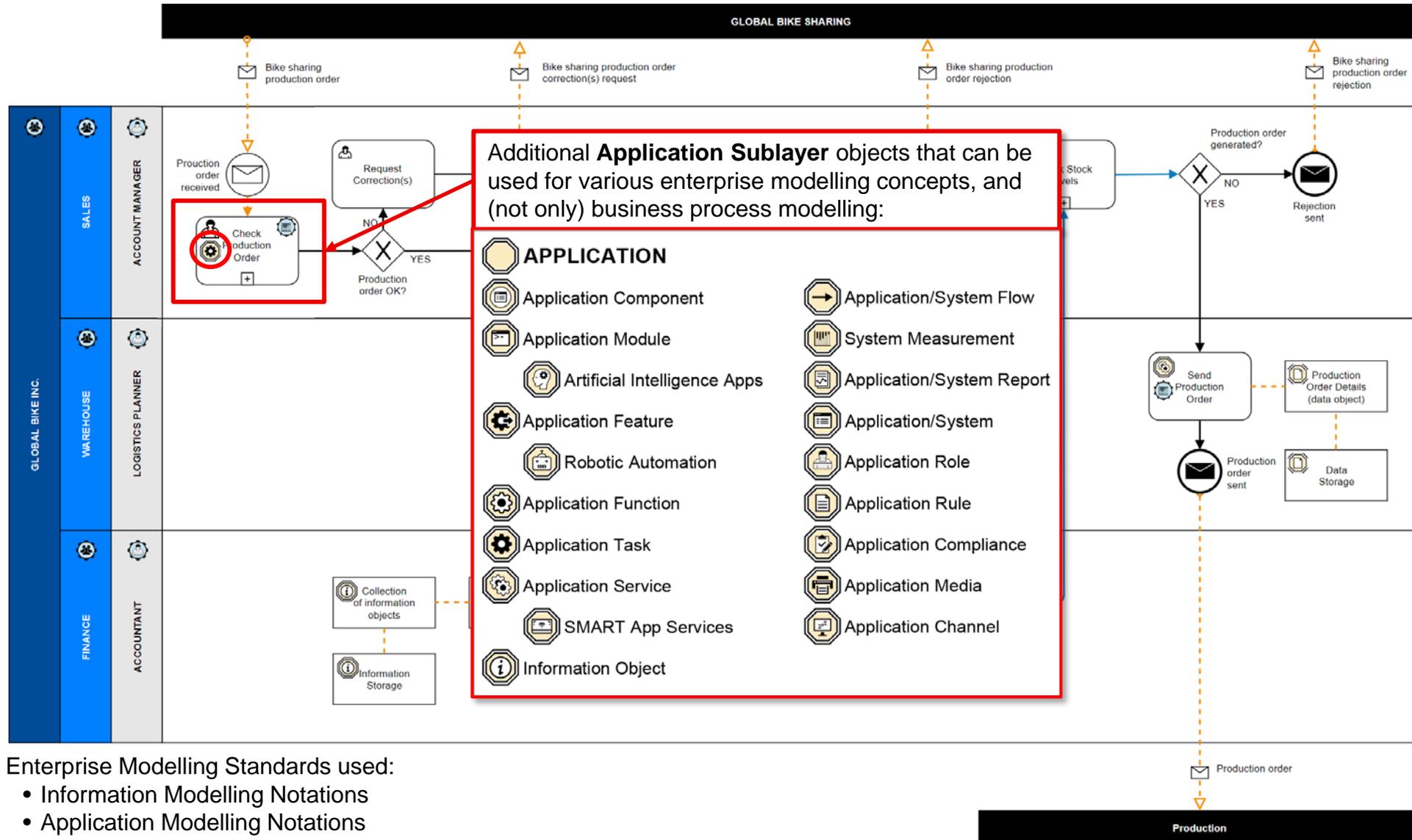
Enterprise Modelling Standards used:

- Business Process Modelling Notations (BPMN)

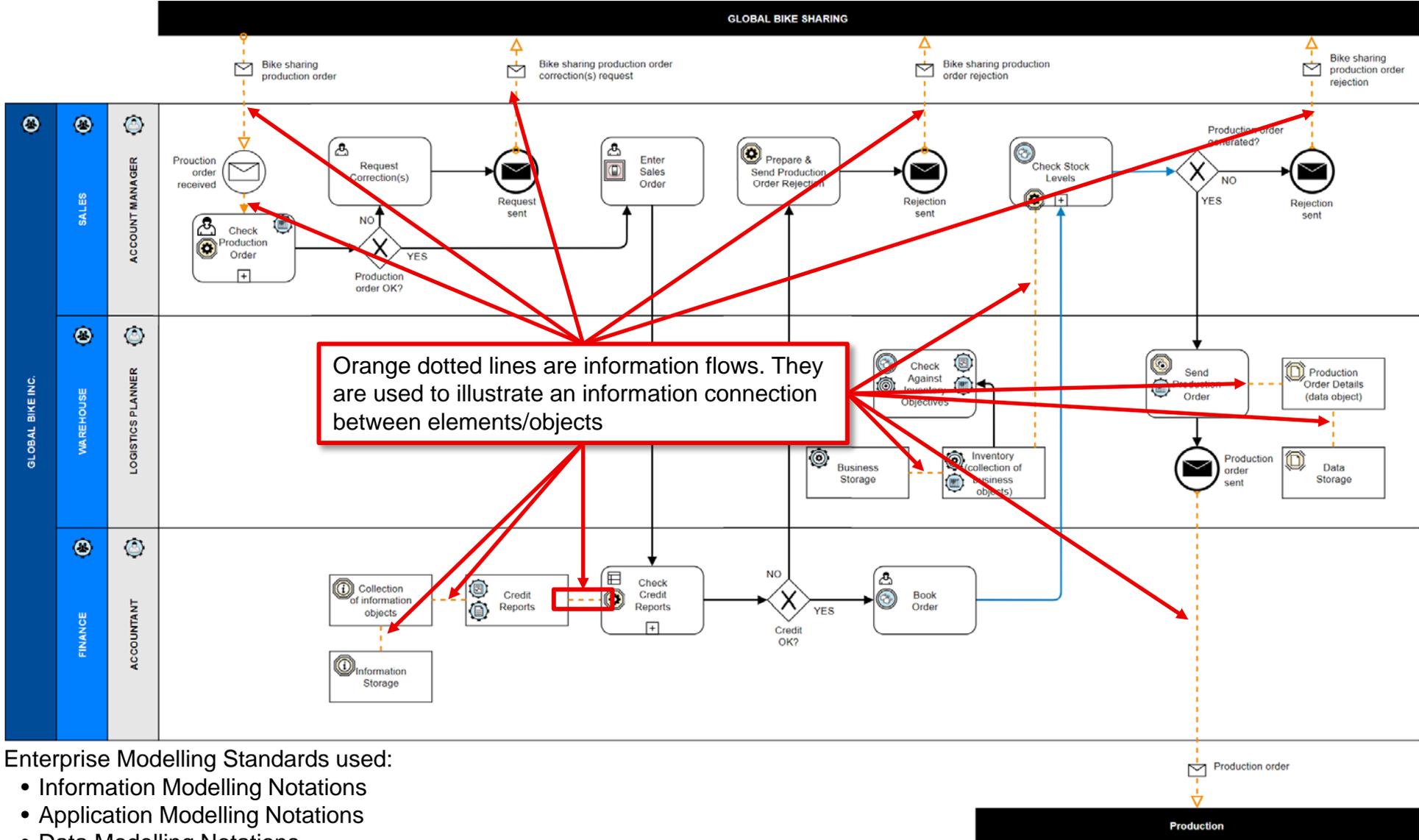
Tasks (process activities), SAP Automated Tasks and Measure



Additional Application Sublayer objects that can be used

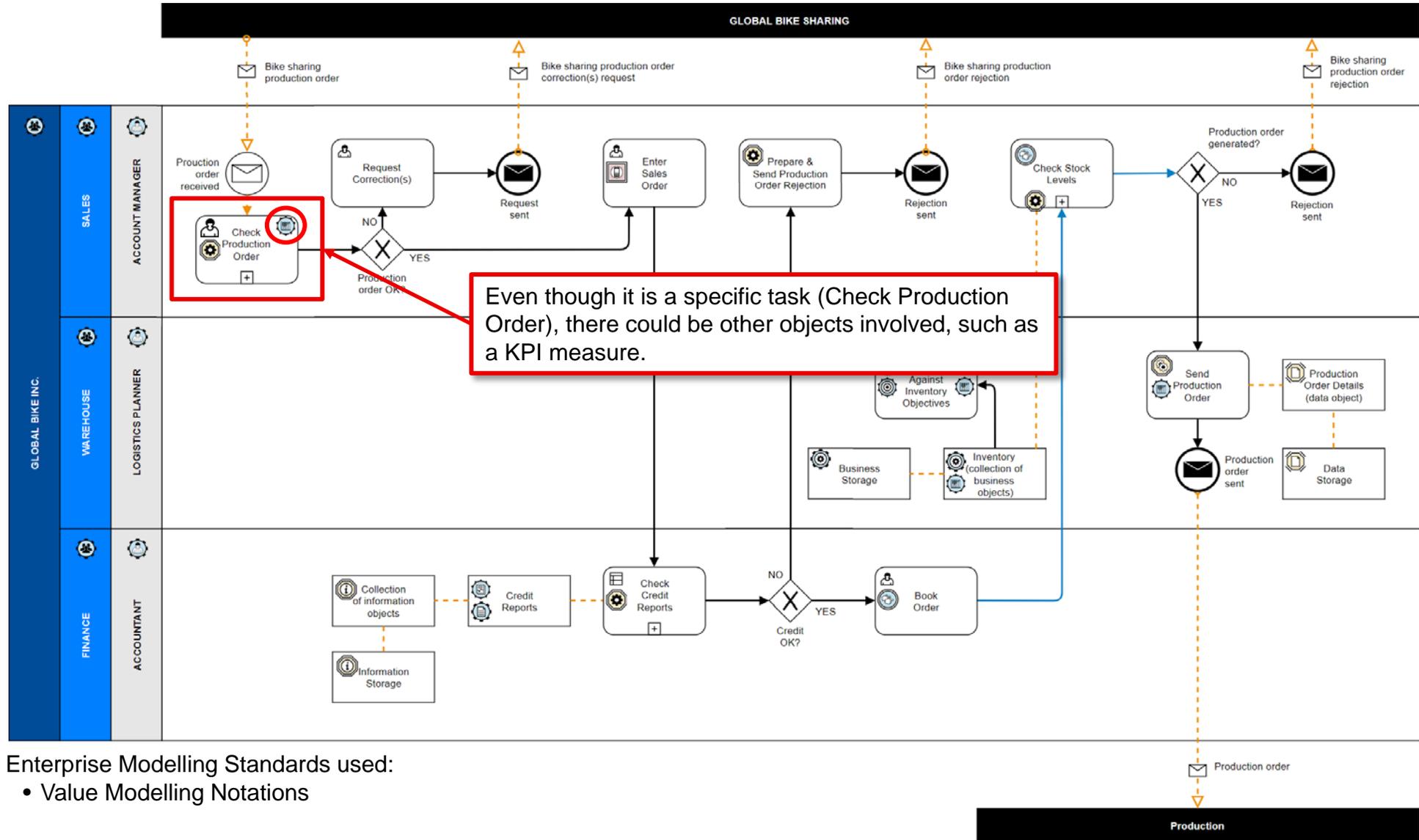


As a part of both Information Modelling as well as Application and Data Modelling: Information Flows are used



- Enterprise Modelling Standards used:
- Information Modelling Notations
 - Application Modelling Notations
 - Data Modelling Notations

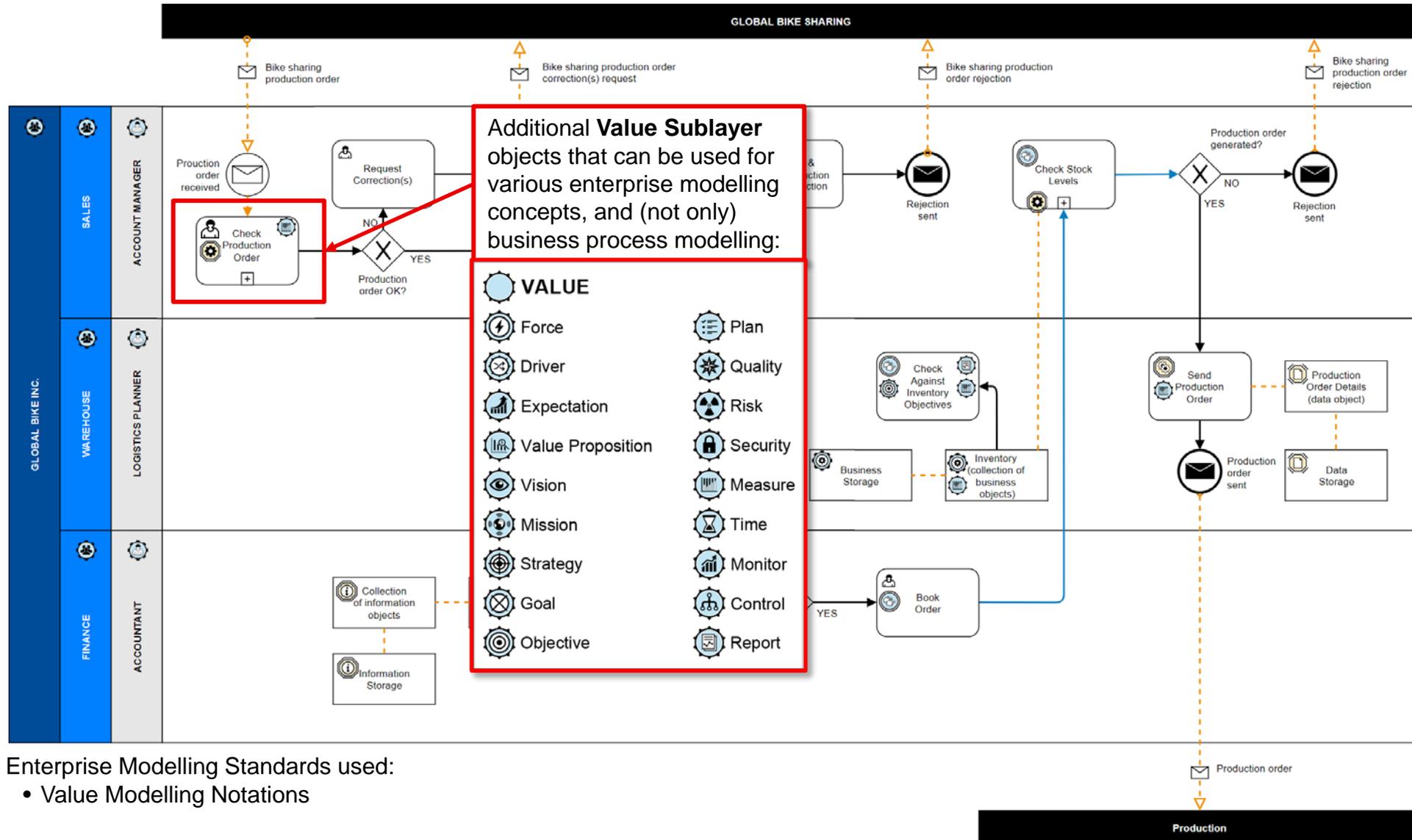
Tasks (process activities): Measure



Enterprise Modelling Standards used:

- Value Modelling Notations

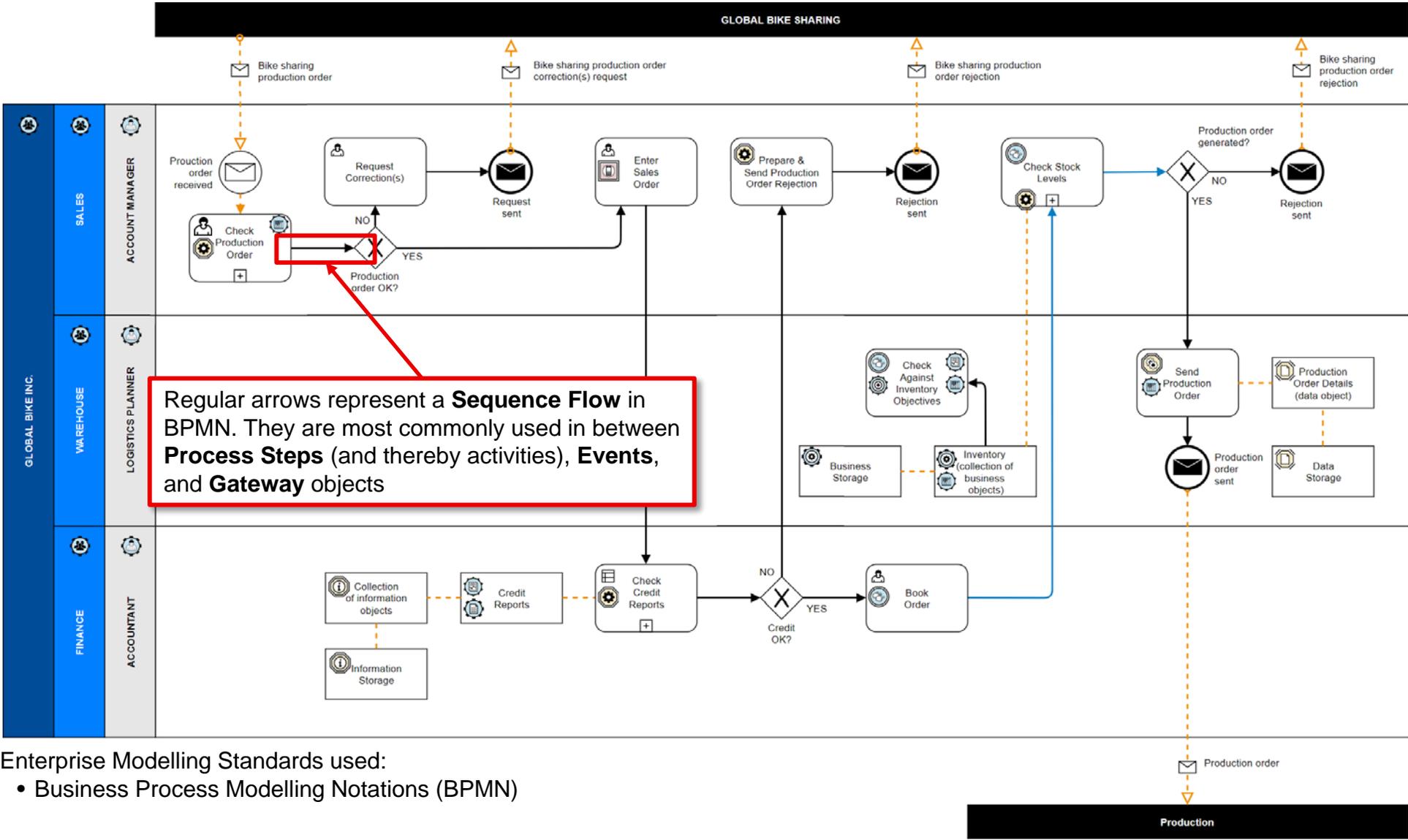
Additional Value Sublayer objects that can be used



Enterprise Modelling Standards used:

- Value Modelling Notations

Sequence Flows

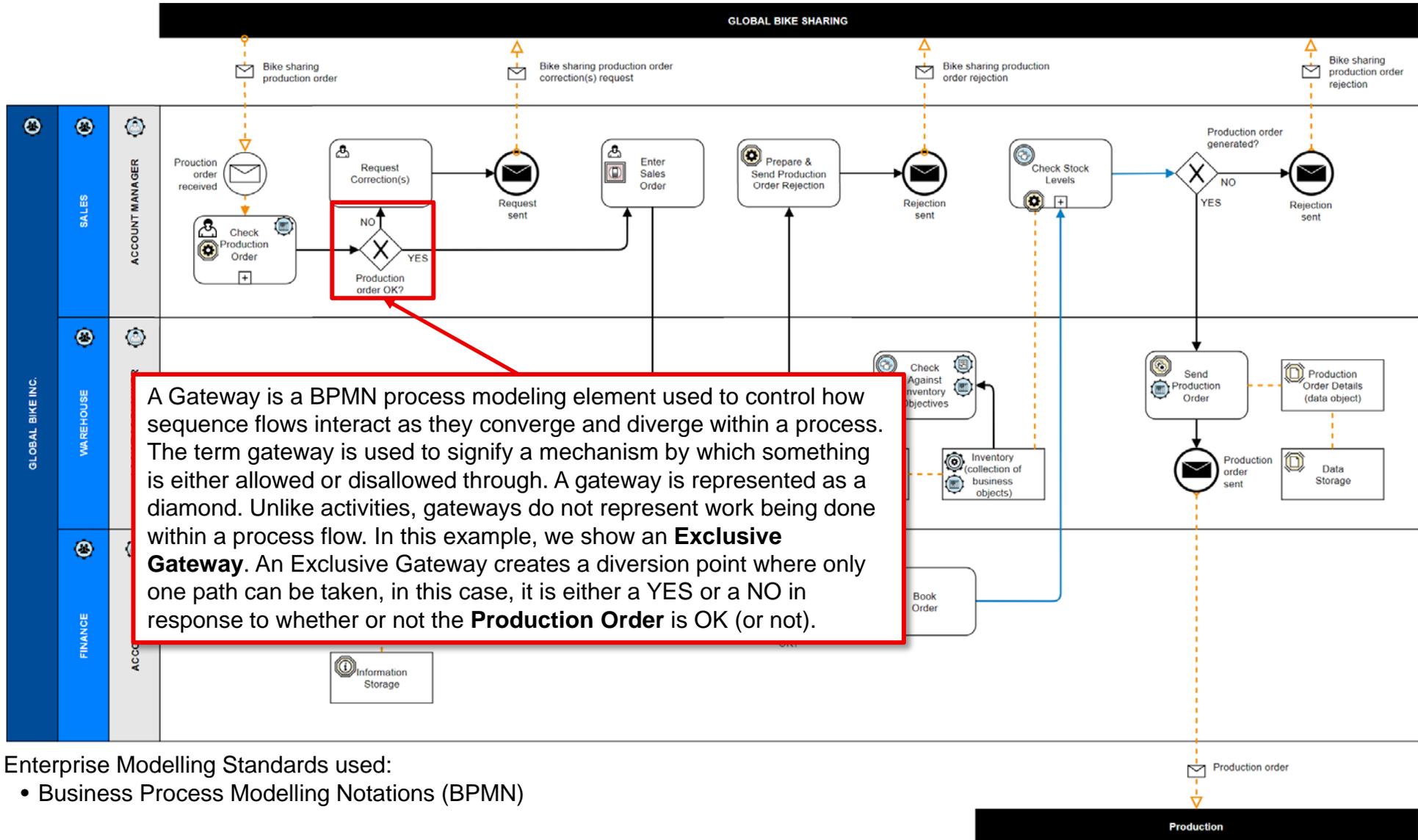


Regular arrows represent a **Sequence Flow** in BPMN. They are most commonly used in between **Process Steps** (and thereby activities), **Events**, and **Gateway** objects

Enterprise Modelling Standards used:

- Business Process Modelling Notations (BPMN)

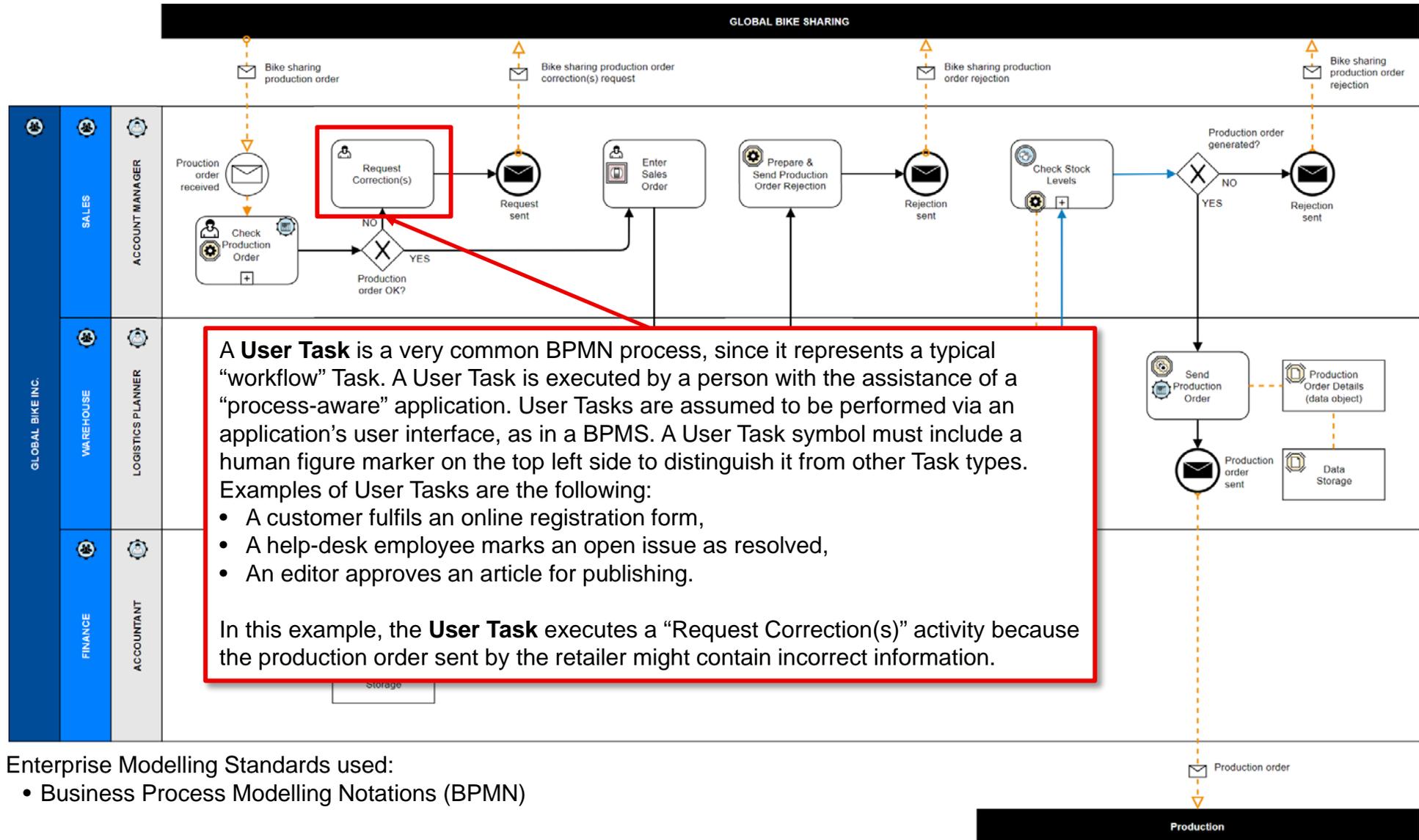
Gateways



A Gateway is a BPMN process modeling element used to control how sequence flows interact as they converge and diverge within a process. The term gateway is used to signify a mechanism by which something is either allowed or disallowed through. A gateway is represented as a diamond. Unlike activities, gateways do not represent work being done within a process flow. In this example, we show an **Exclusive Gateway**. An Exclusive Gateway creates a diversion point where only one path can be taken, in this case, it is either a YES or a NO in response to whether or not the **Production Order** is OK (or not).

- Enterprise Modelling Standards used:
- Business Process Modelling Notations (BPMN)

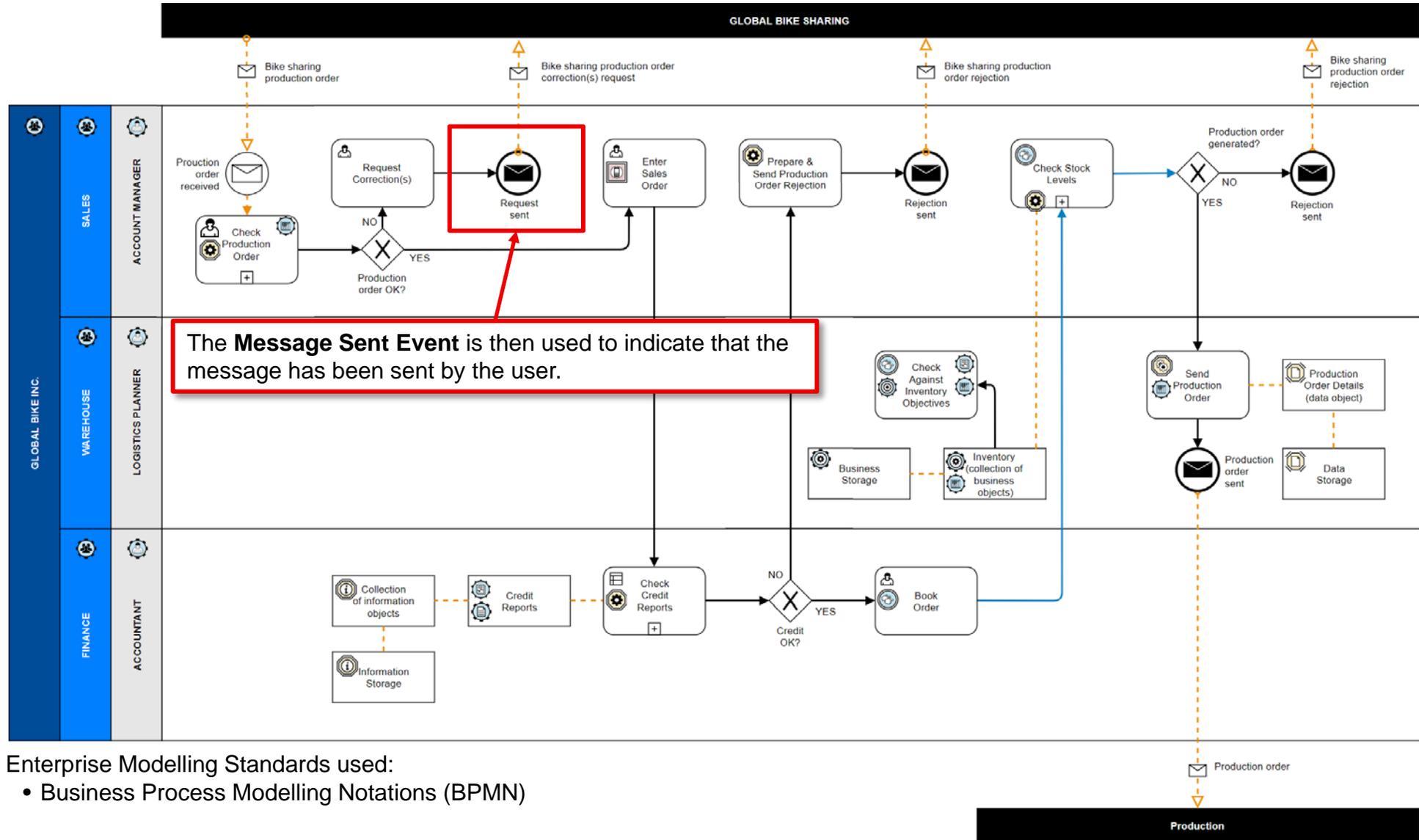
Tasks (process activities)



Enterprise Modelling Standards used:

- Business Process Modelling Notations (BPMN)

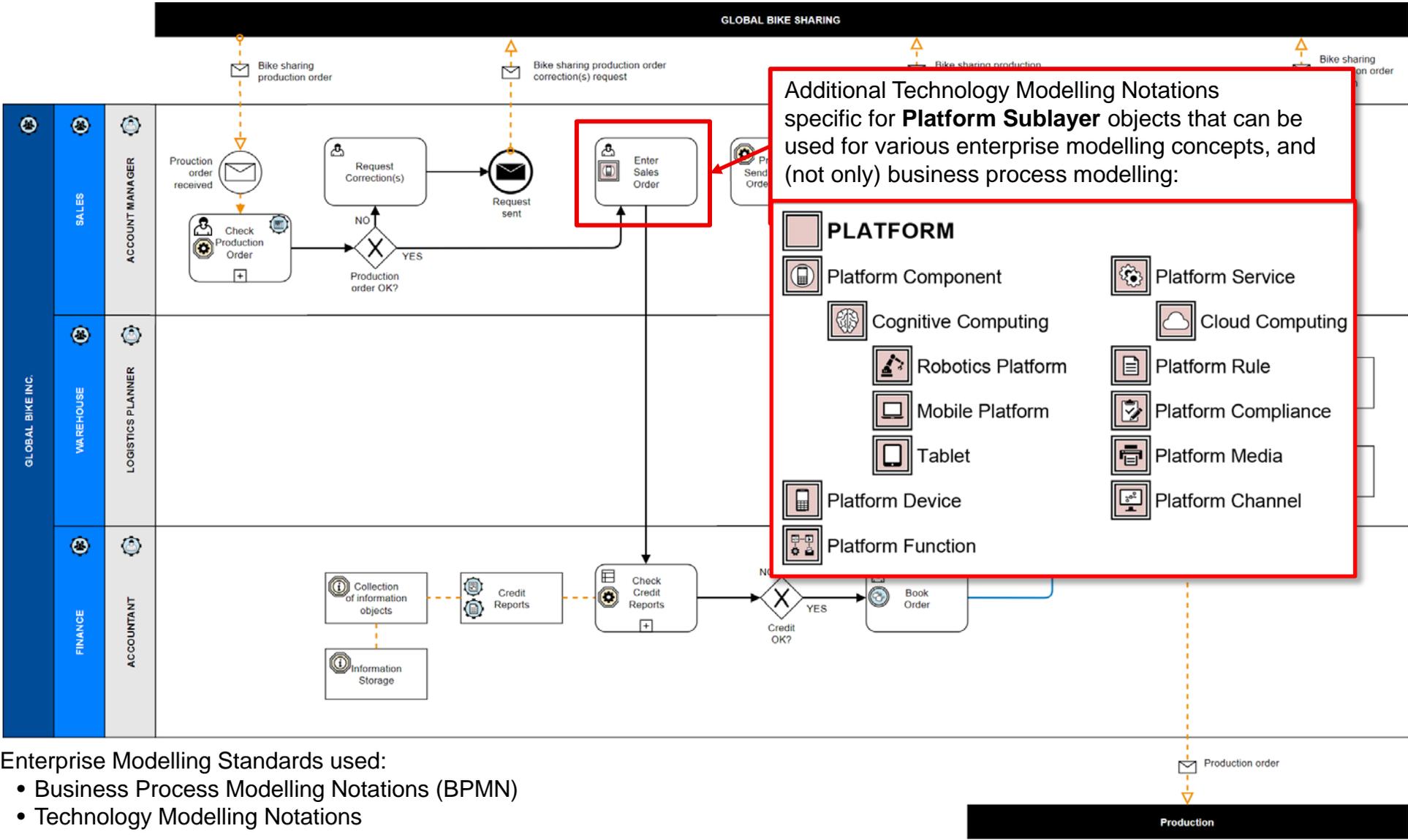
End Events (Message)



Enterprise Modelling Standards used:

- Business Process Modelling Notations (BPMN)

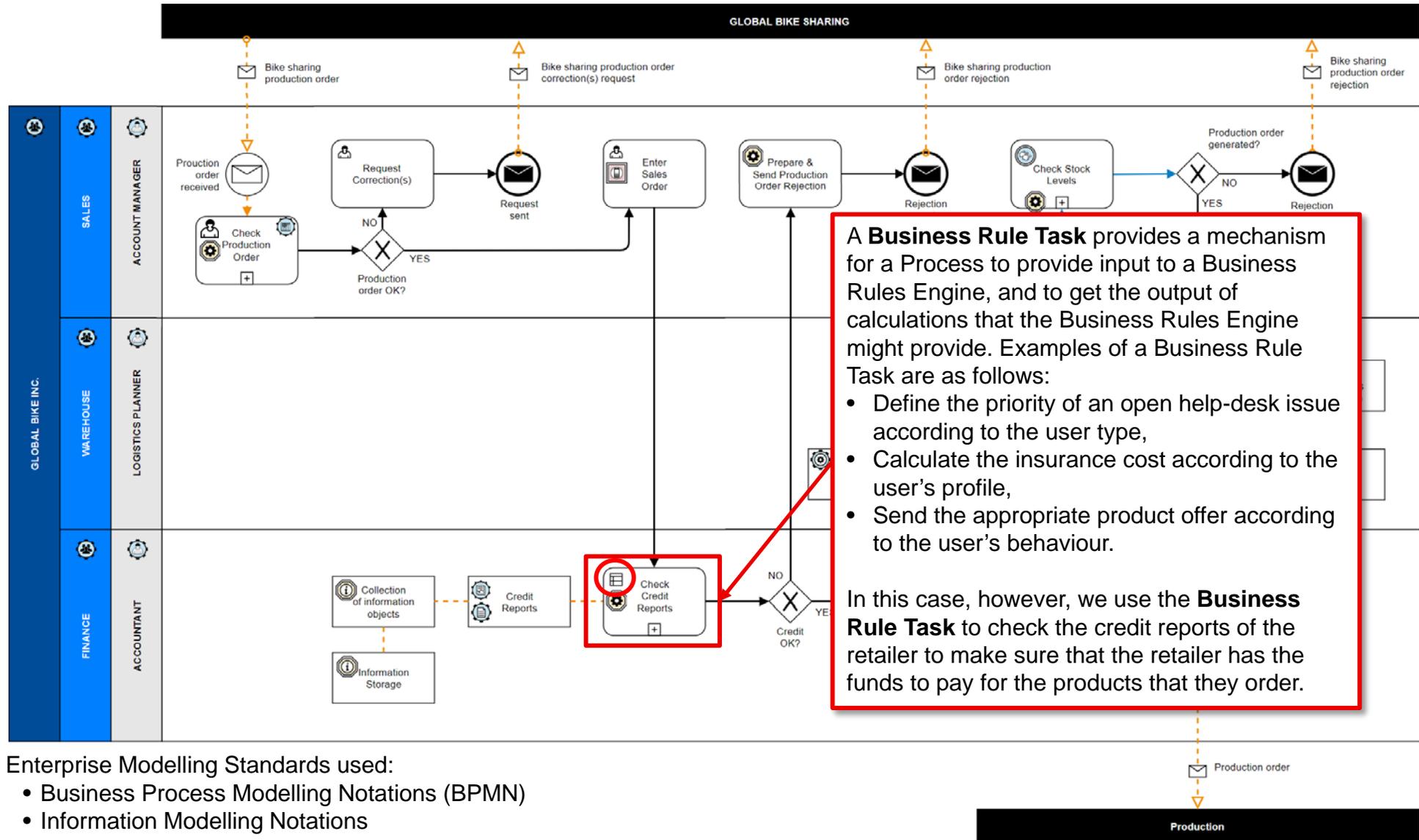
Additional Technology Modelling Notations – Platform objects that can be used



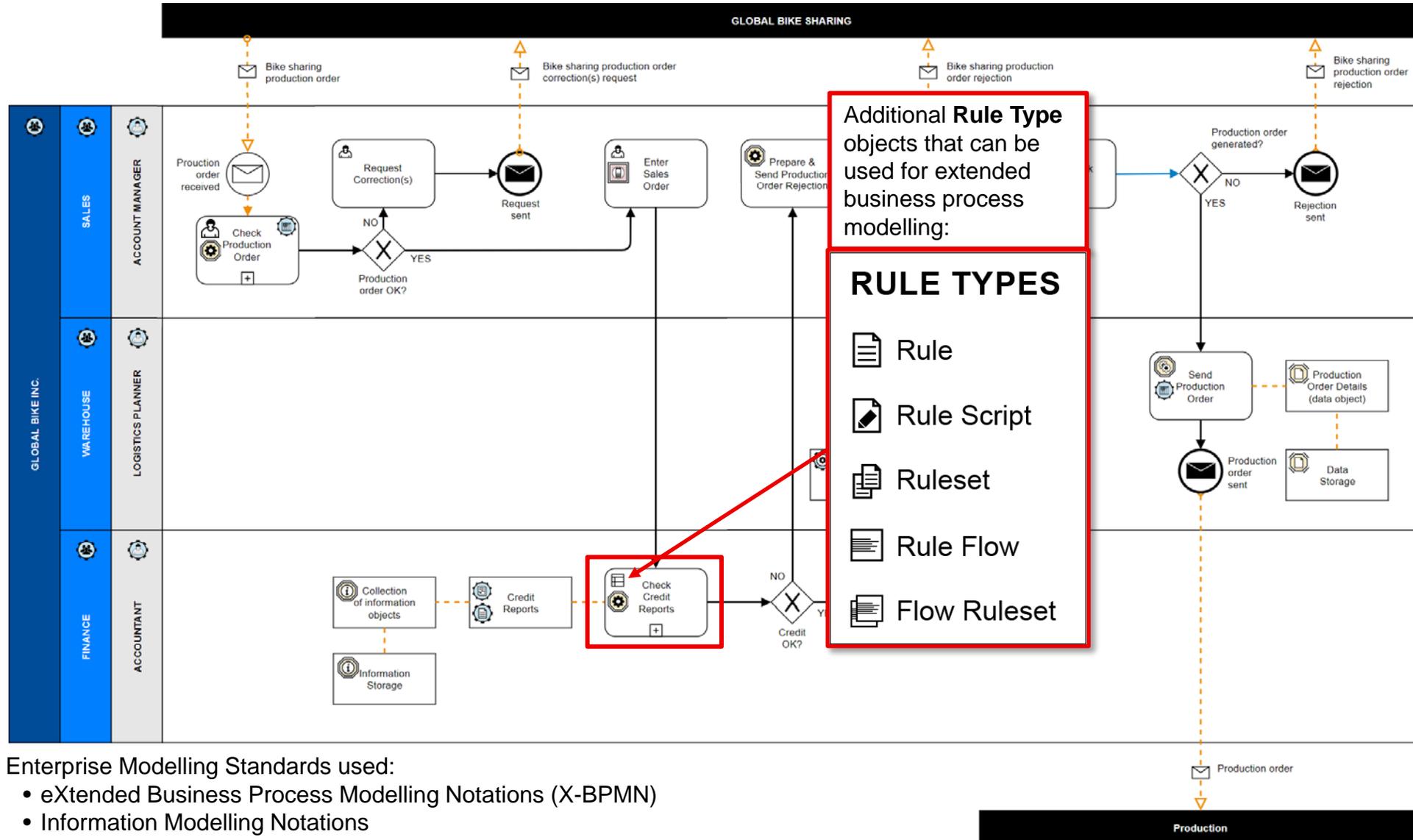
Enterprise Modelling Standards used:

- Business Process Modelling Notations (BPMN)
- Technology Modelling Notations

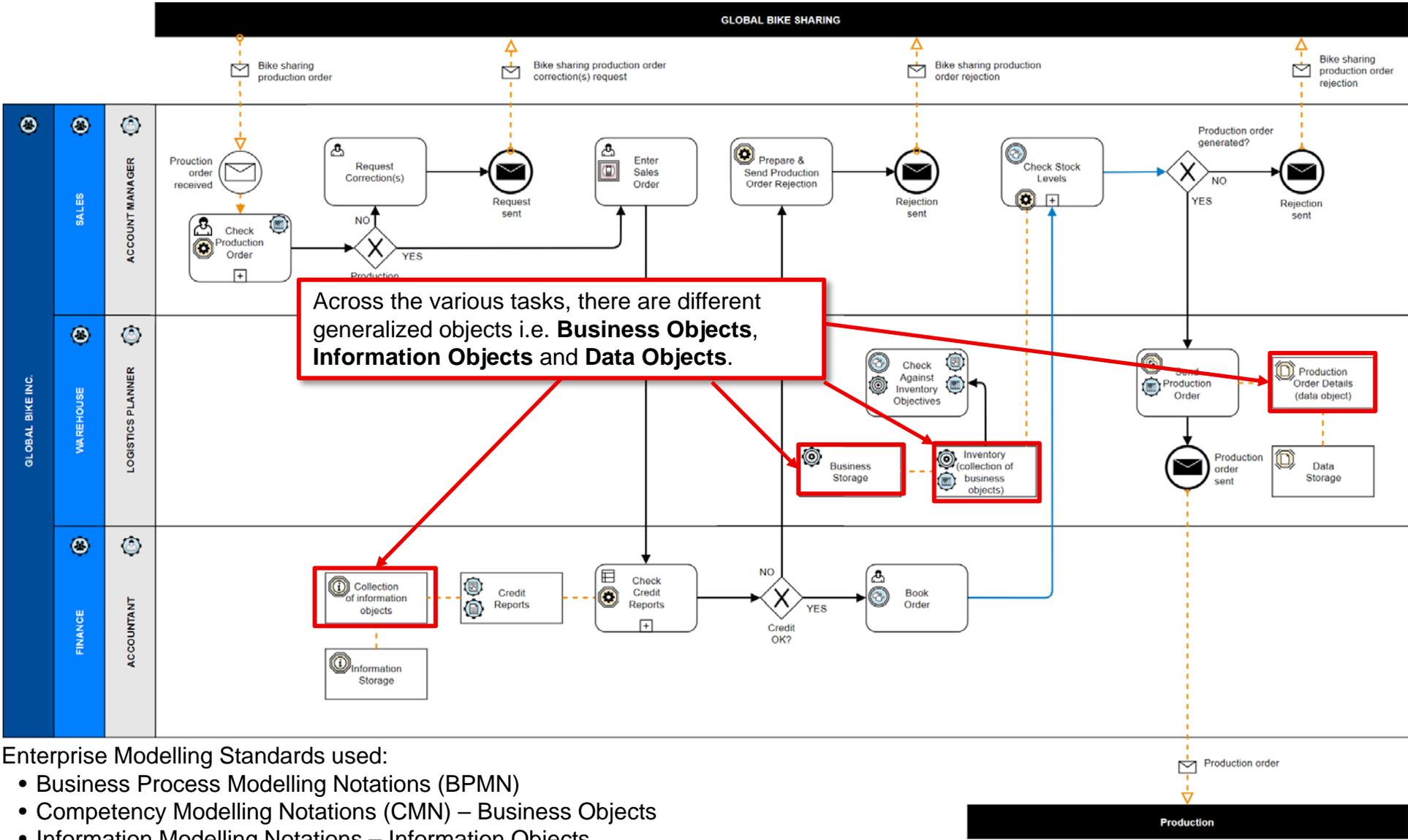
Tasks (process activities) and SAP Automated Tasks



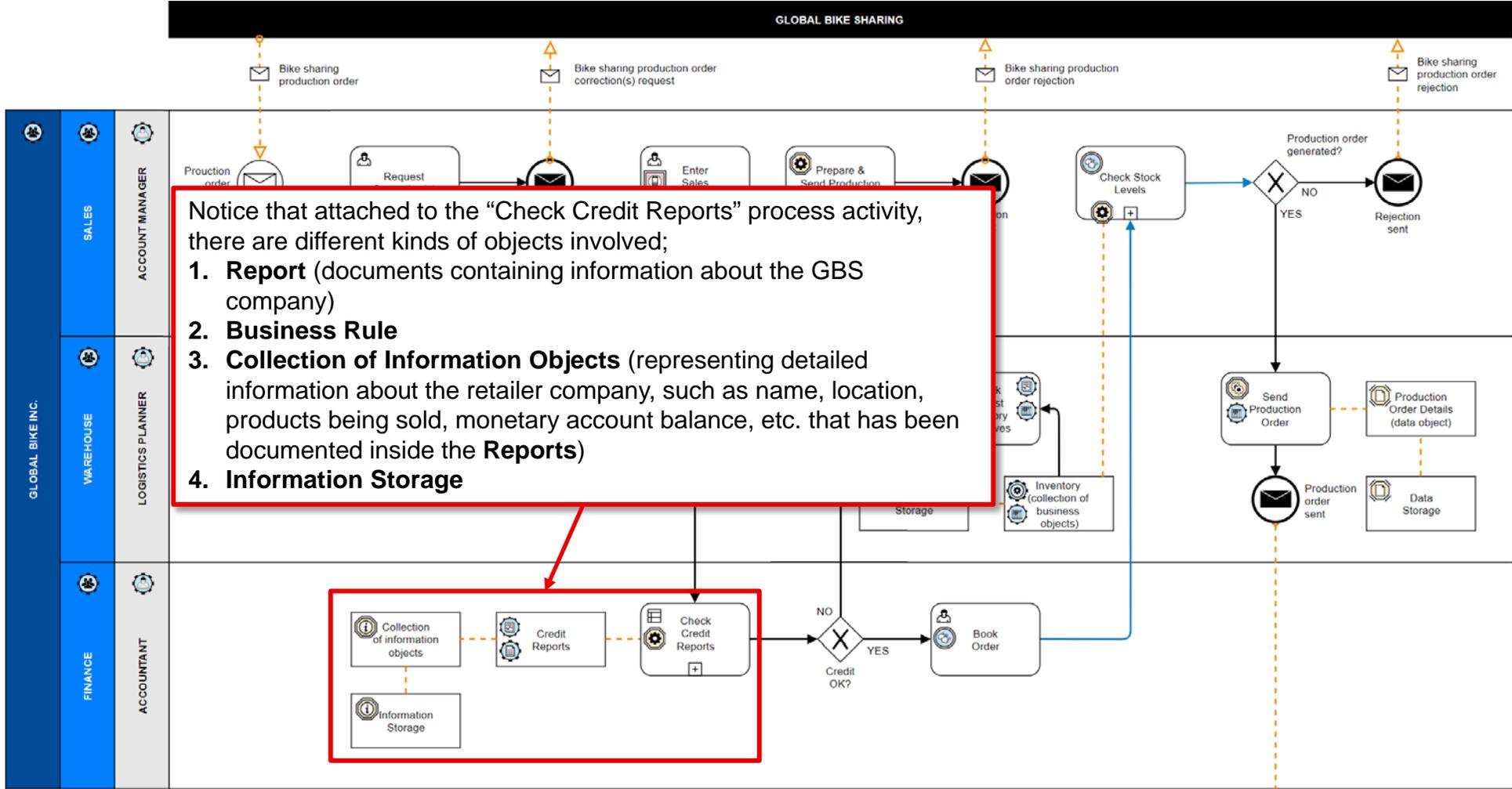
Additional Rule Type objects that could be applied



Information Flows

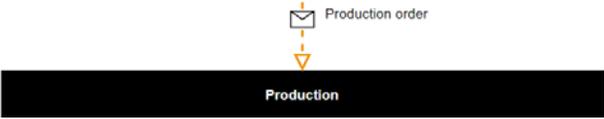


Associated sources of information (Information Object, Information Storage, Collection of Information Objects, Report and Measure)

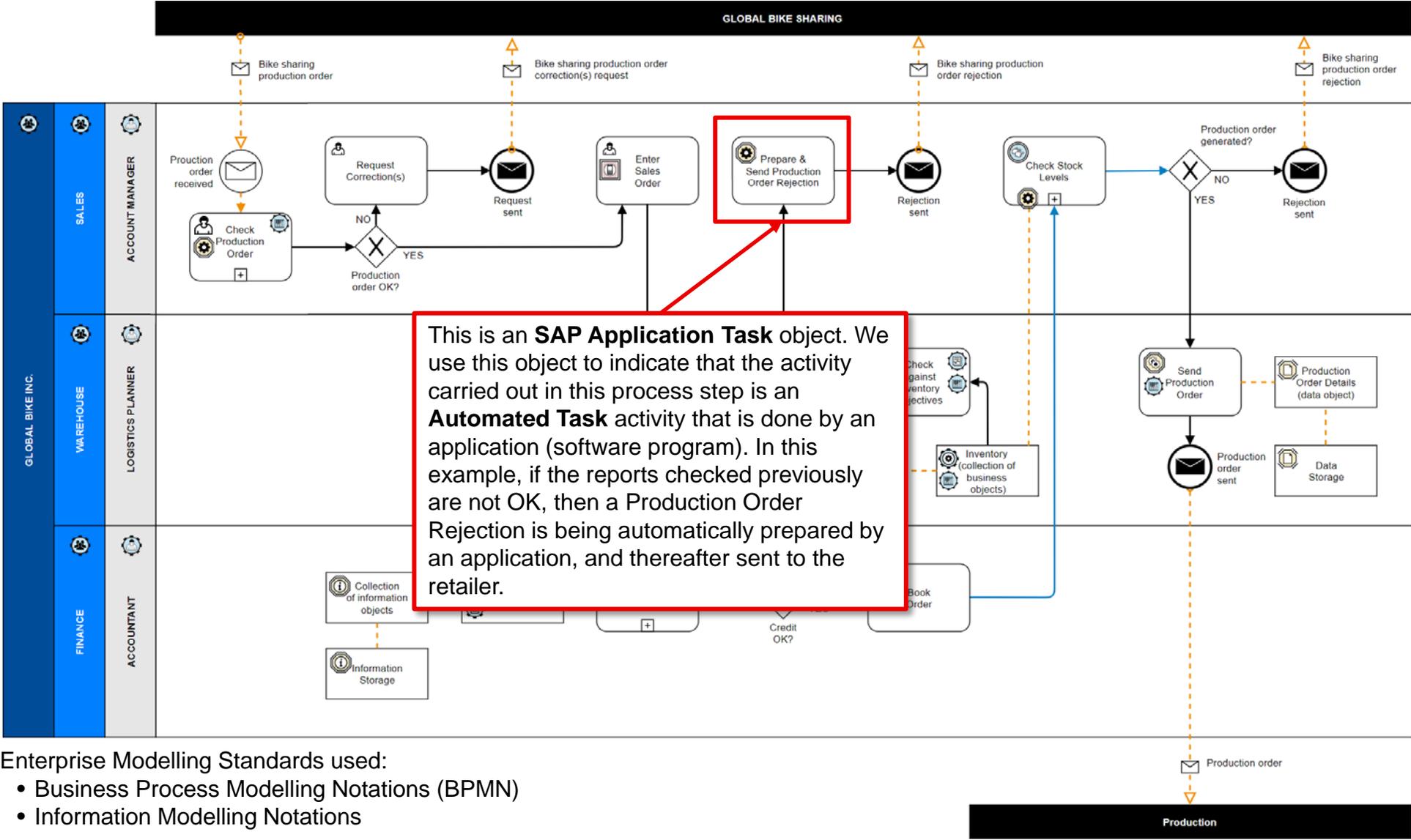


Enterprise Modelling Standards used:

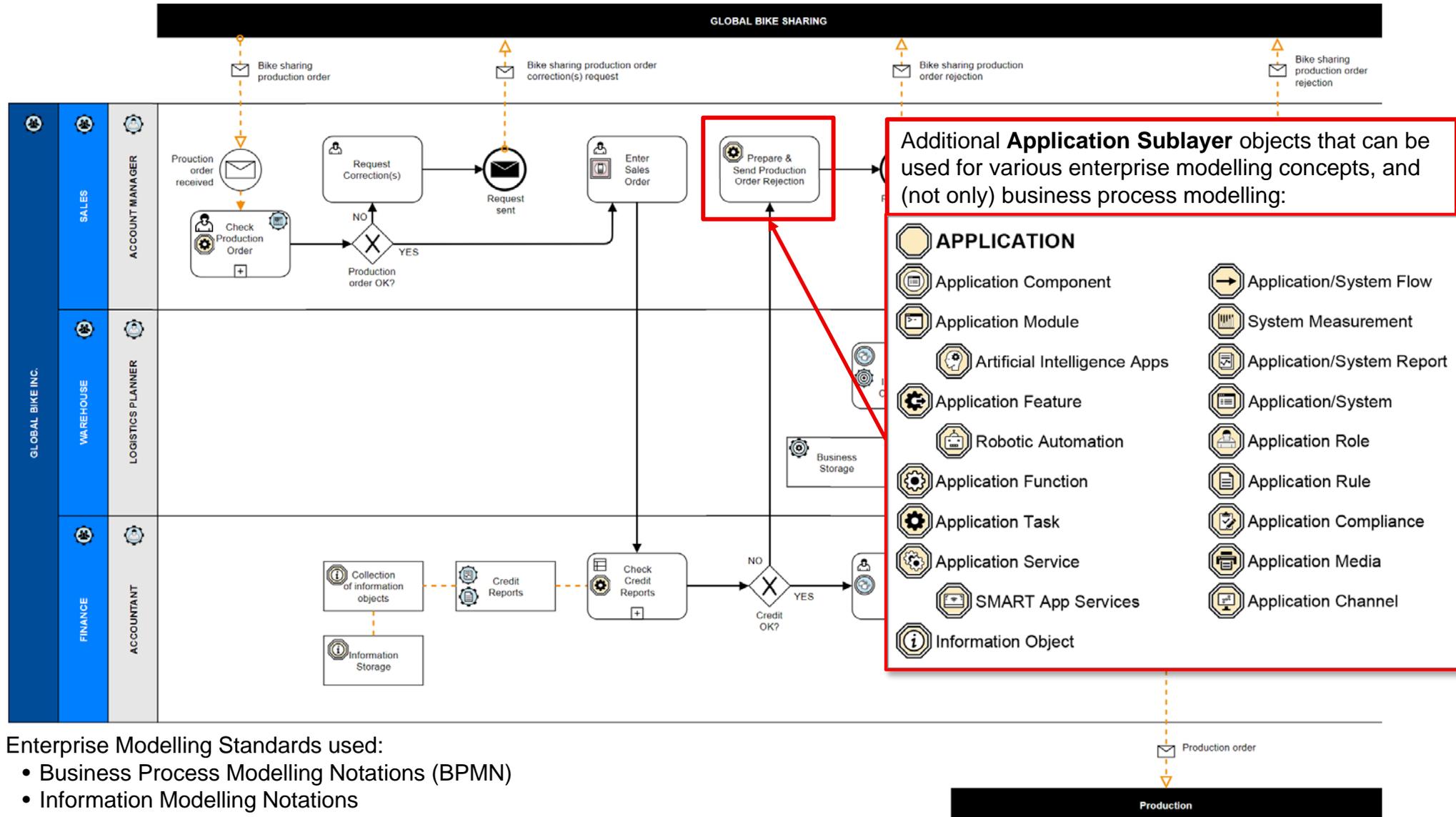
- Business Process Modelling Notations (BPMN)
- Value Modelling Notations – Reports
- Information Modelling Notations – Information Objects
- Value Modelling Notations - Rule



SAP Automated Tasks



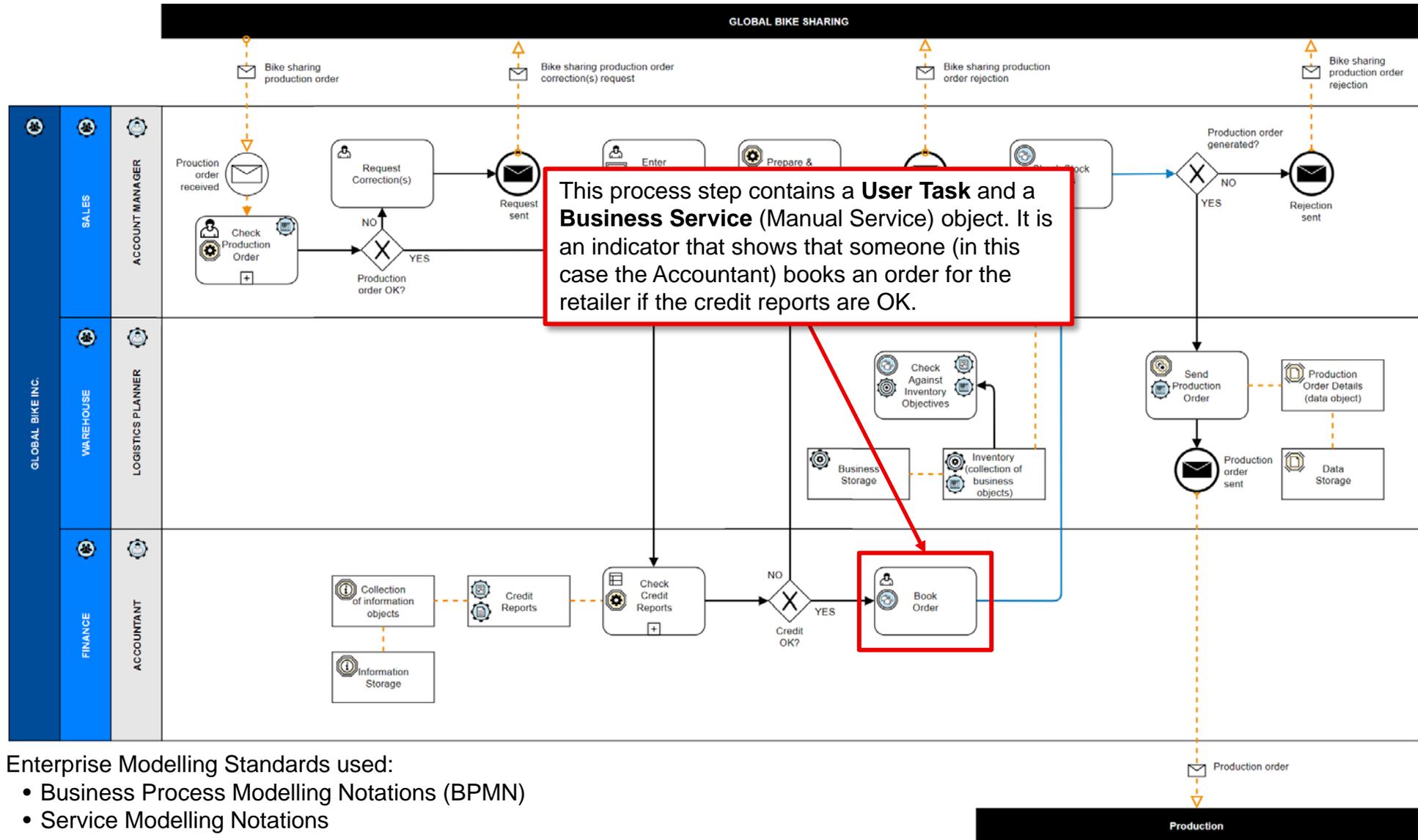
Additional Application Sublayer objects that can be used



Enterprise Modelling Standards used:

- Business Process Modelling Notations (BPMN)
- Information Modelling Notations
- Application Modelling Notations

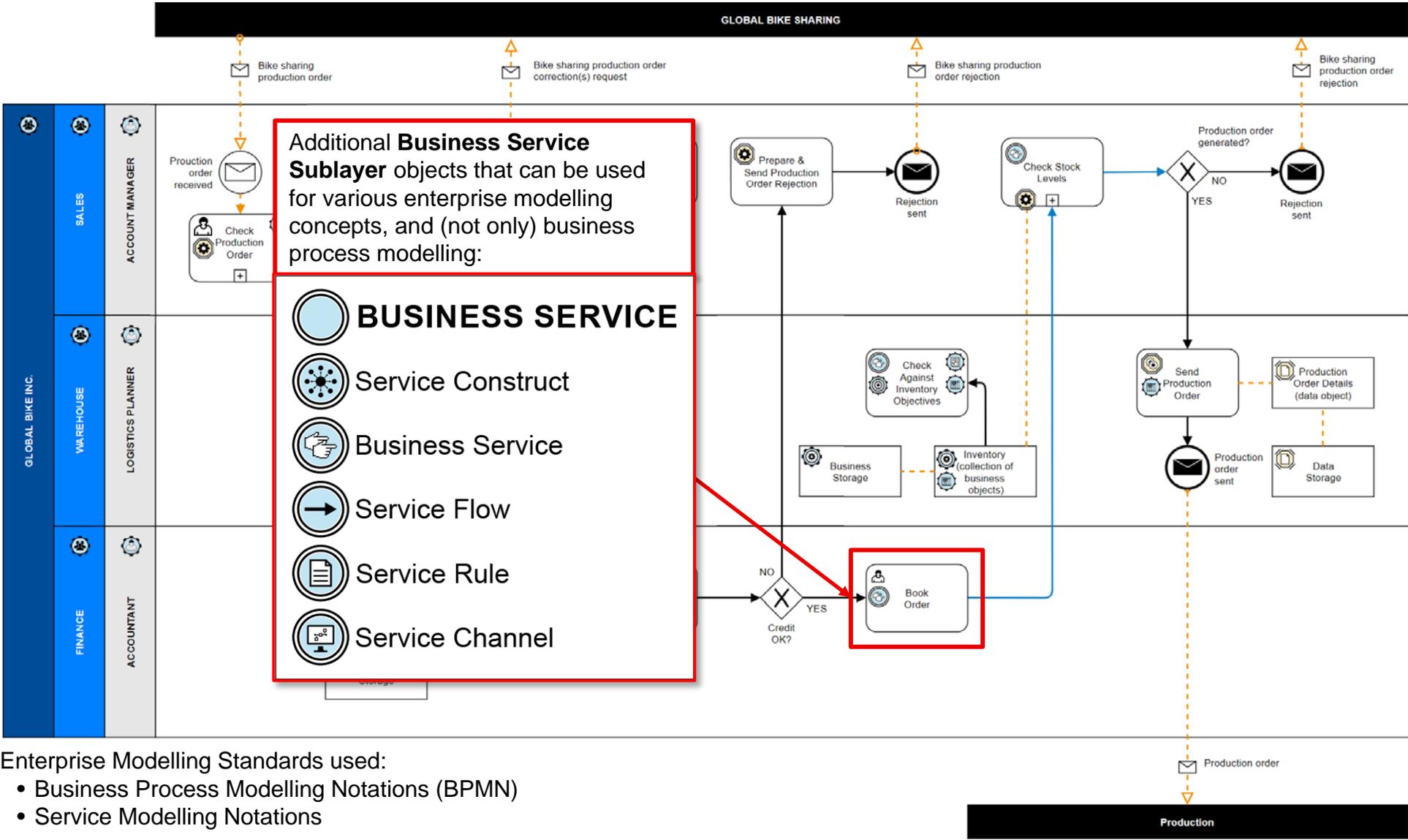
User Task and Business Service (Manual Service)



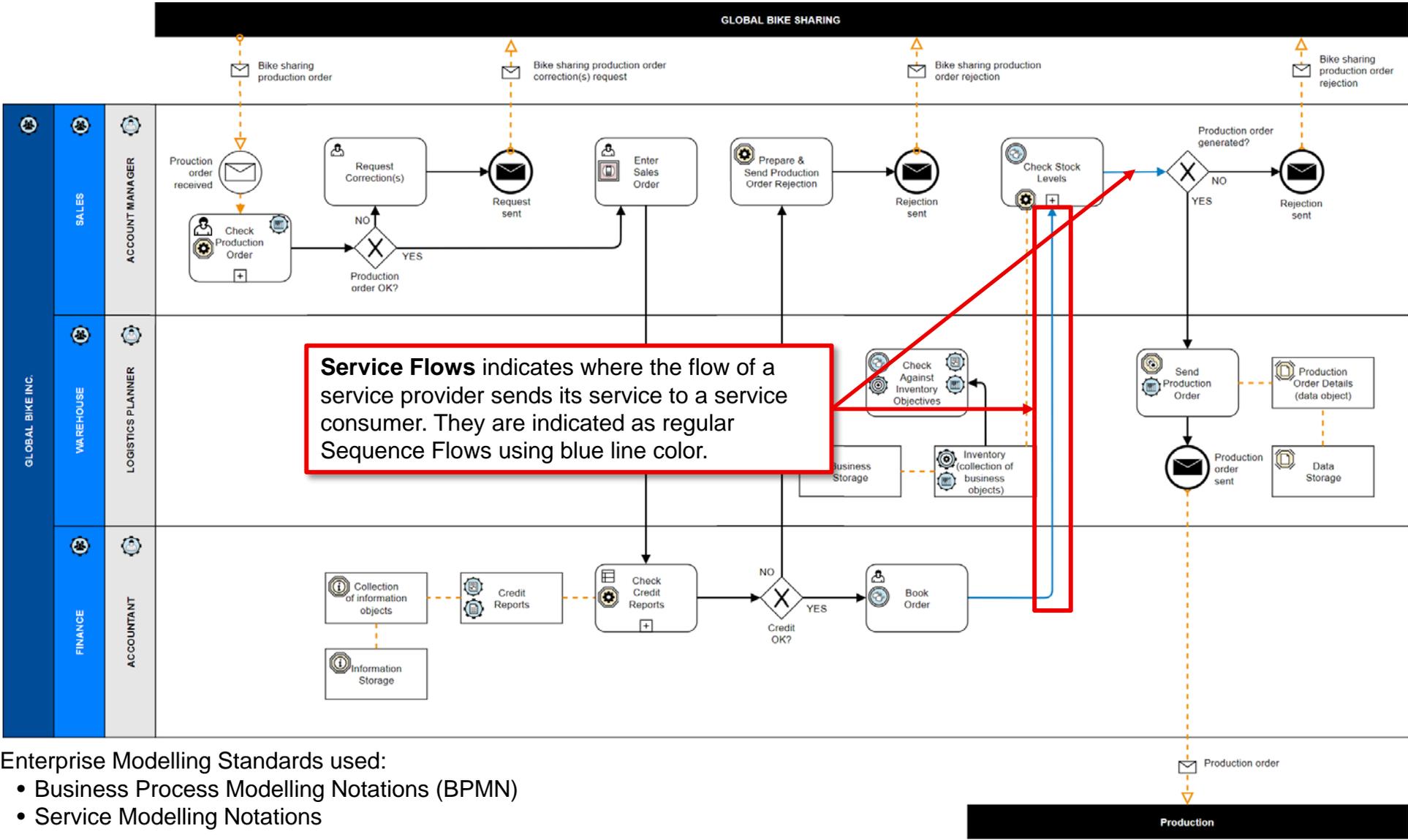
Enterprise Modelling Standards used:

- Business Process Modelling Notations (BPMN)
- Service Modelling Notations

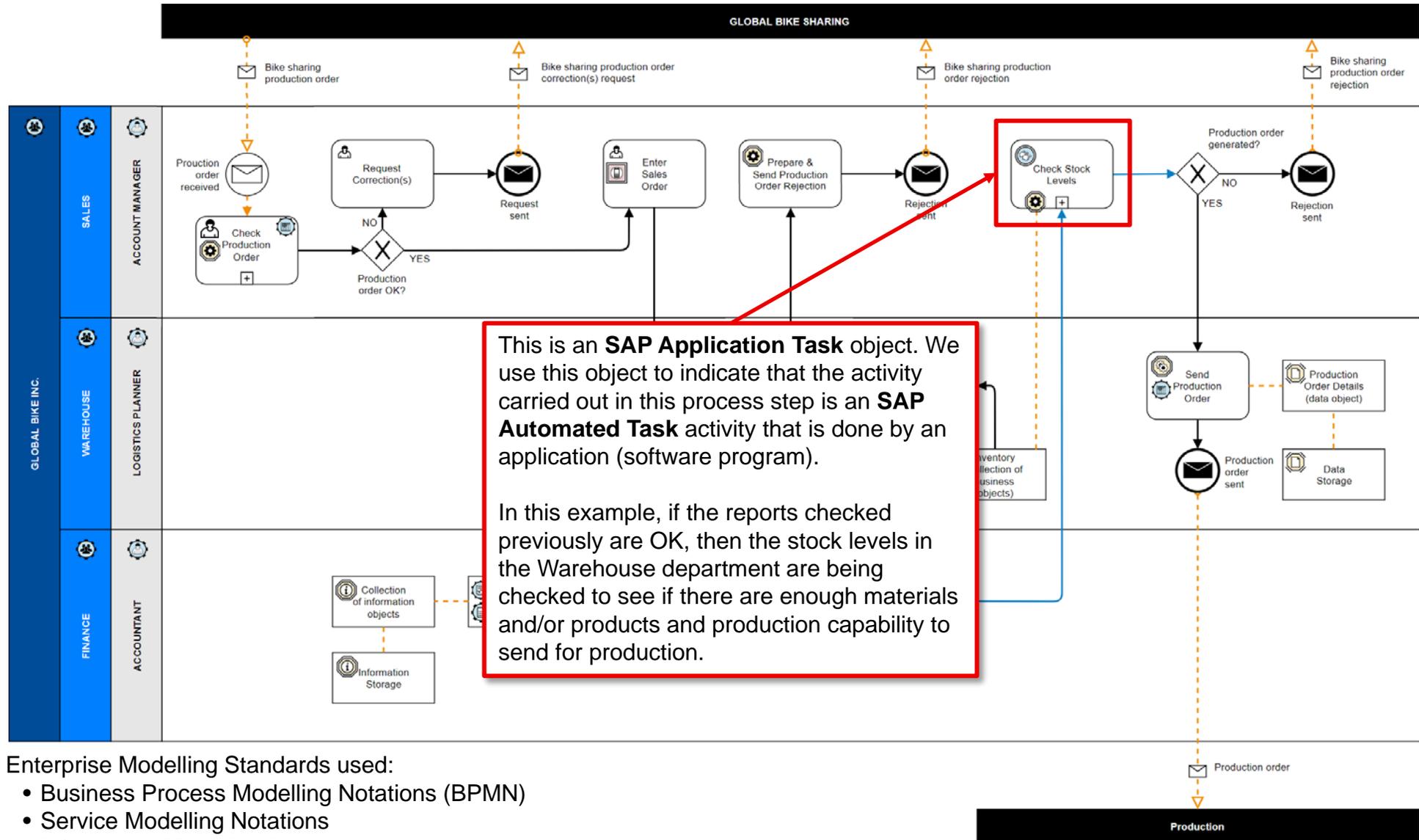
Additional Service Modelling Notation objects that can be used



Service Modelling Notations: Service Flows



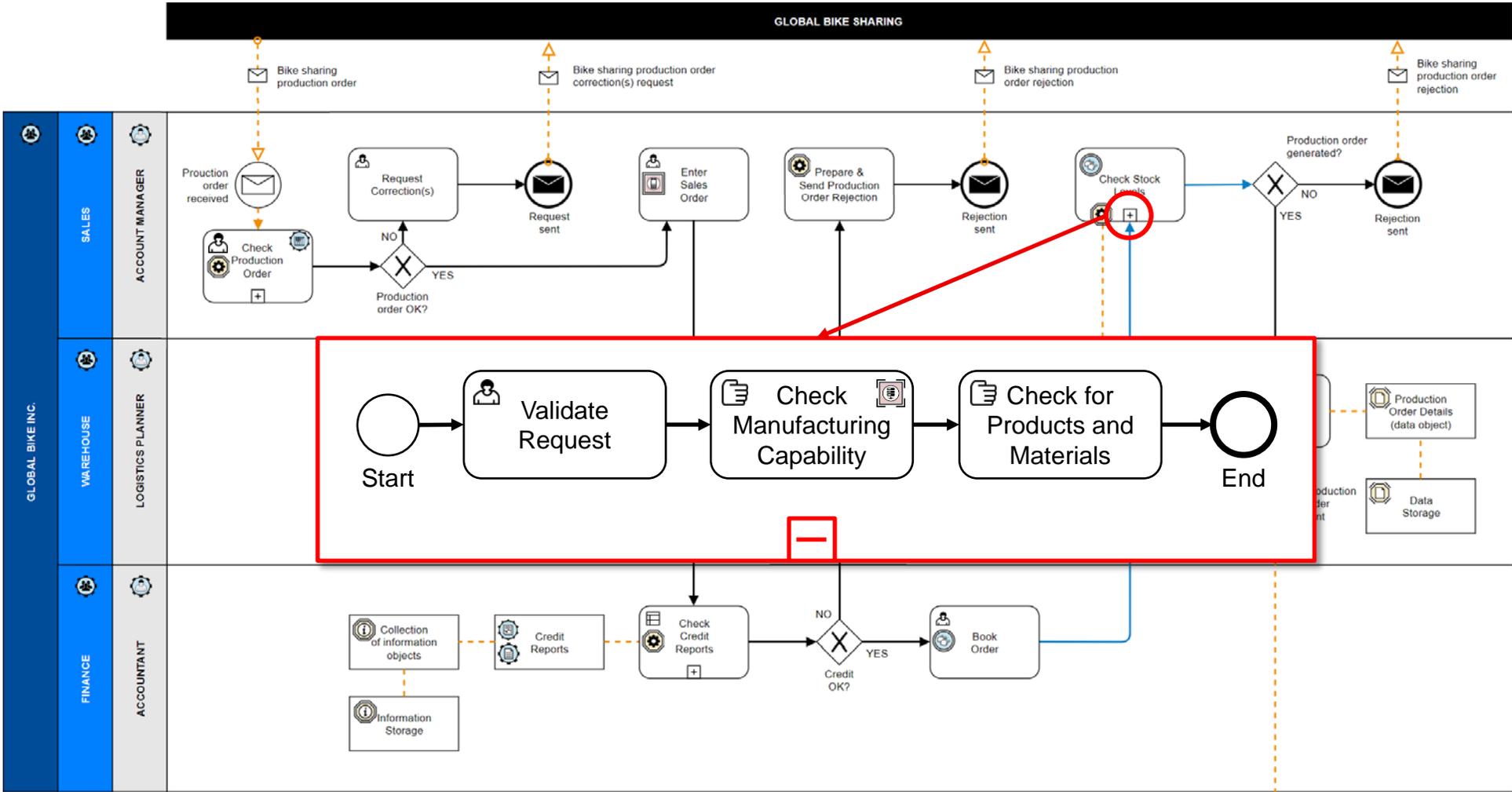
Business Services (Manual Service) and SAP Automated Task



Enterprise Modelling Standards used:

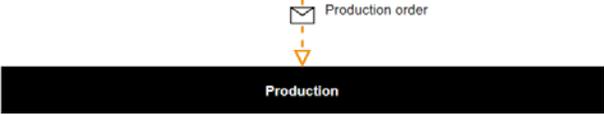
- Business Process Modelling Notations (BPMN)
- Service Modelling Notations
- Information Modelling Notations

Example breakdown of the “Check Stock Levels” Subprocess: Additional Technology Modelling Notations – Infrastructure objects that can be used

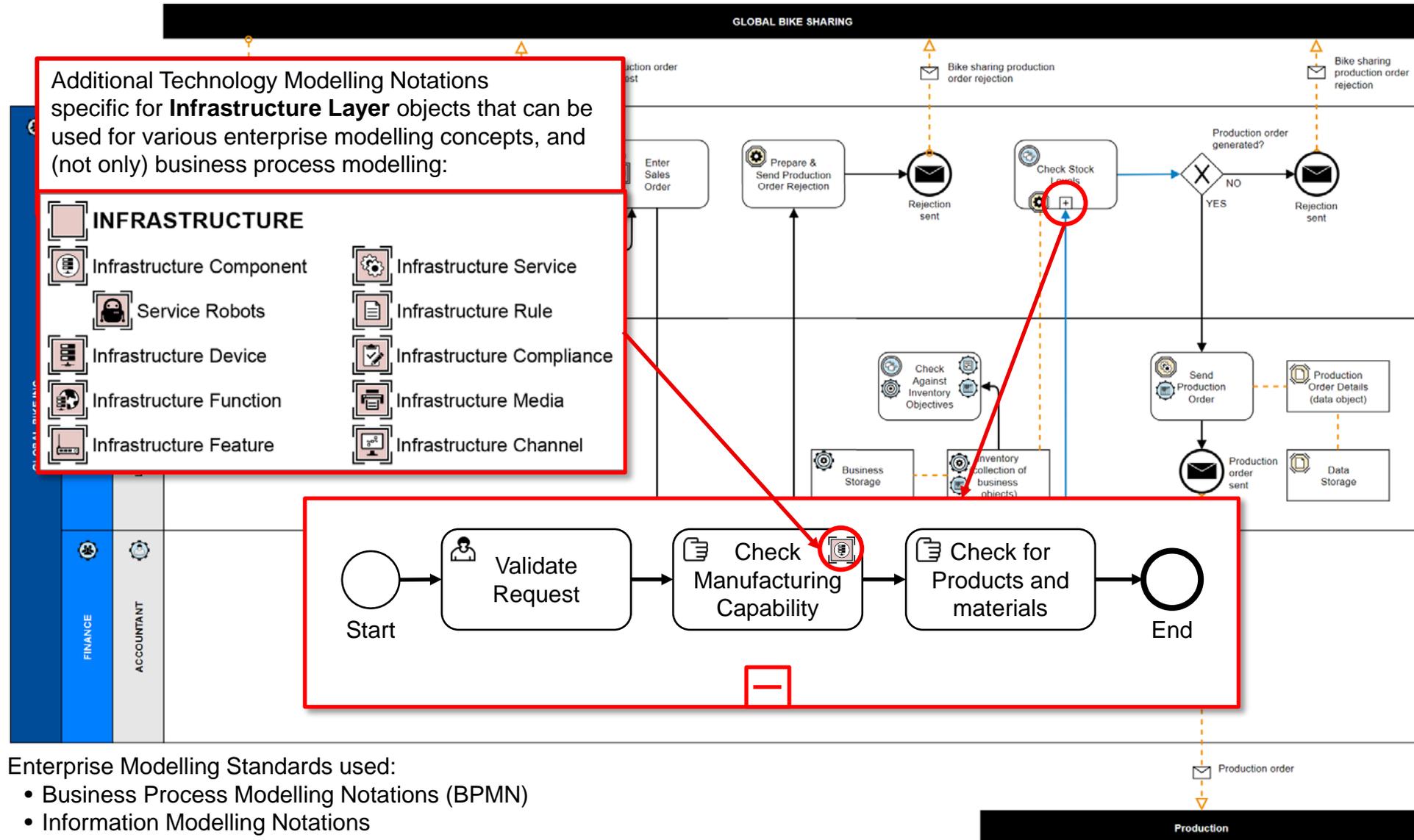


Enterprise Modelling Standards used:

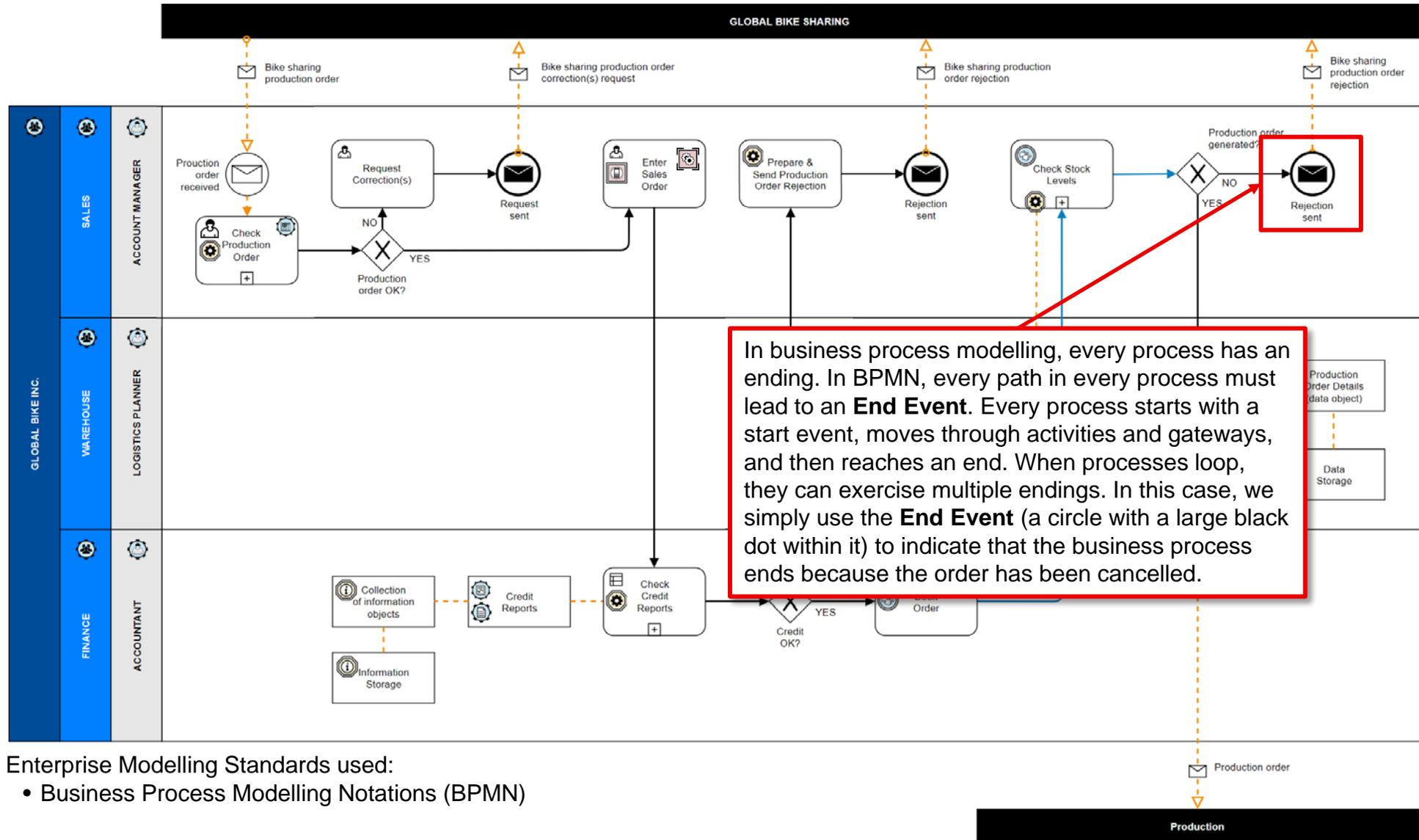
- Business Process Modelling Notations (BPMN)
- Information Modelling Notations
- Technology Modelling Notations



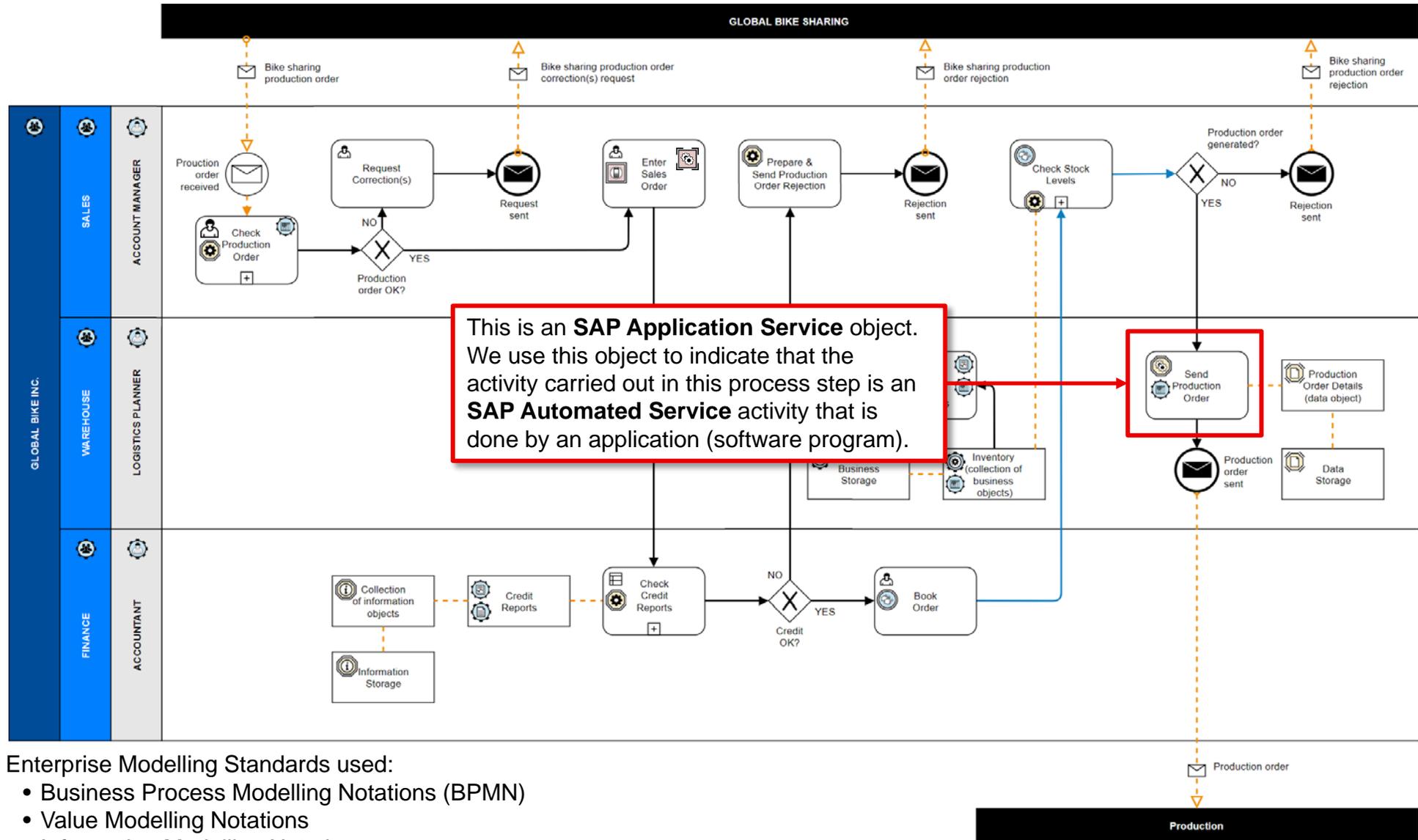
Check Manufacturing Capability (Infrastructure Component)



End Events (Message)



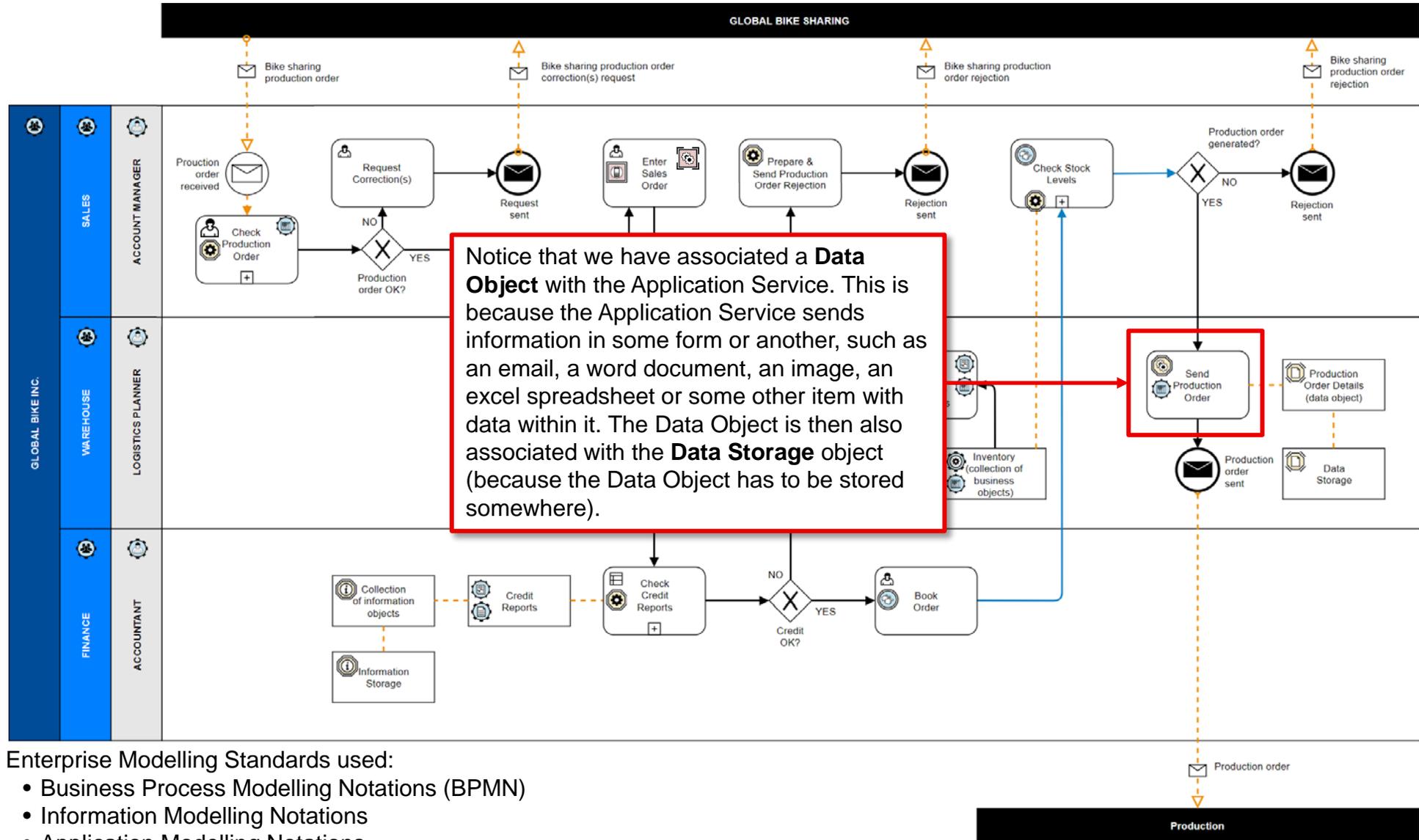
Example of SAP Application Service and Measure



Enterprise Modelling Standards used:

- Business Process Modelling Notations (BPMN)
- Value Modelling Notations
- Information Modelling Notations

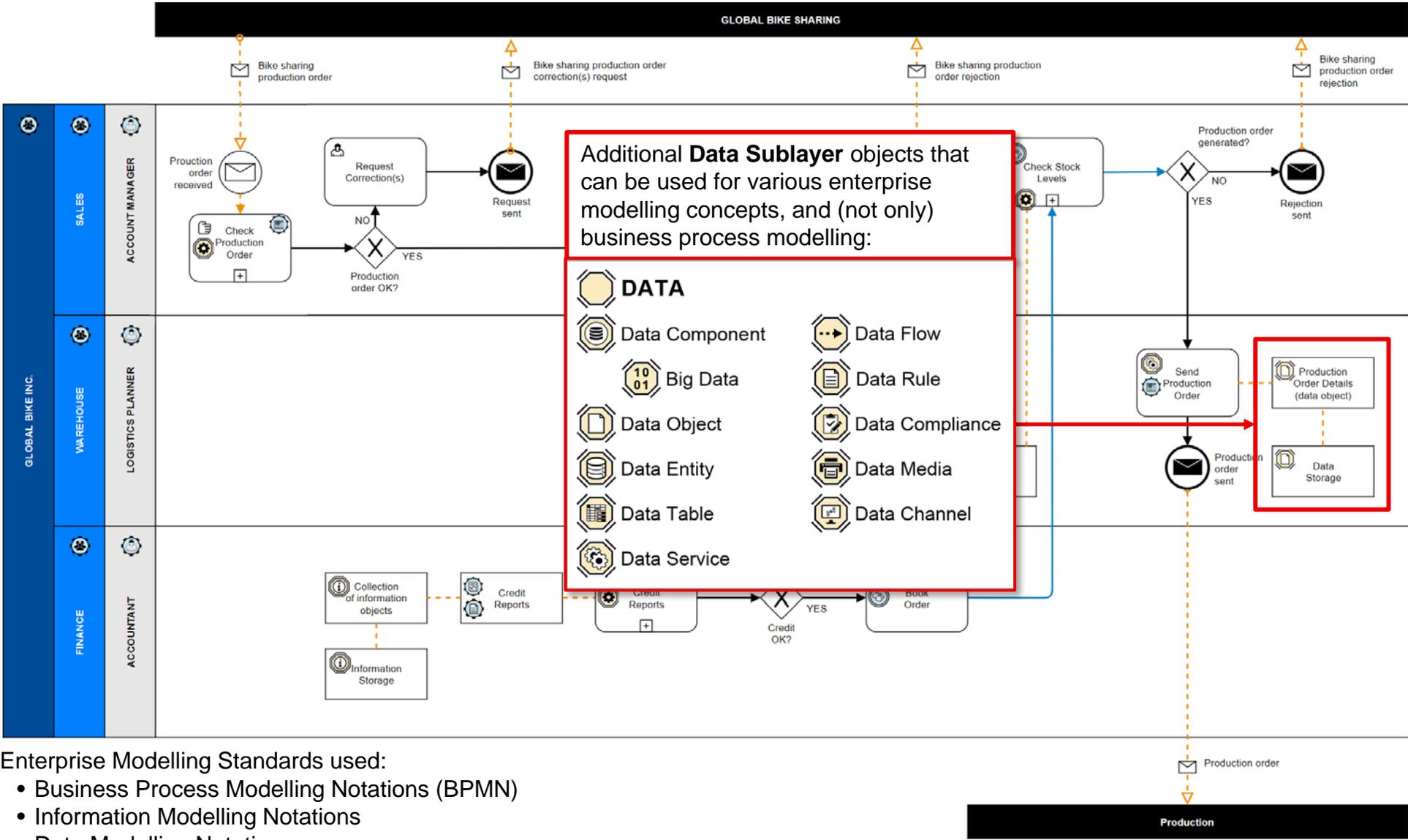
Application Service, Data Object and Data Storage



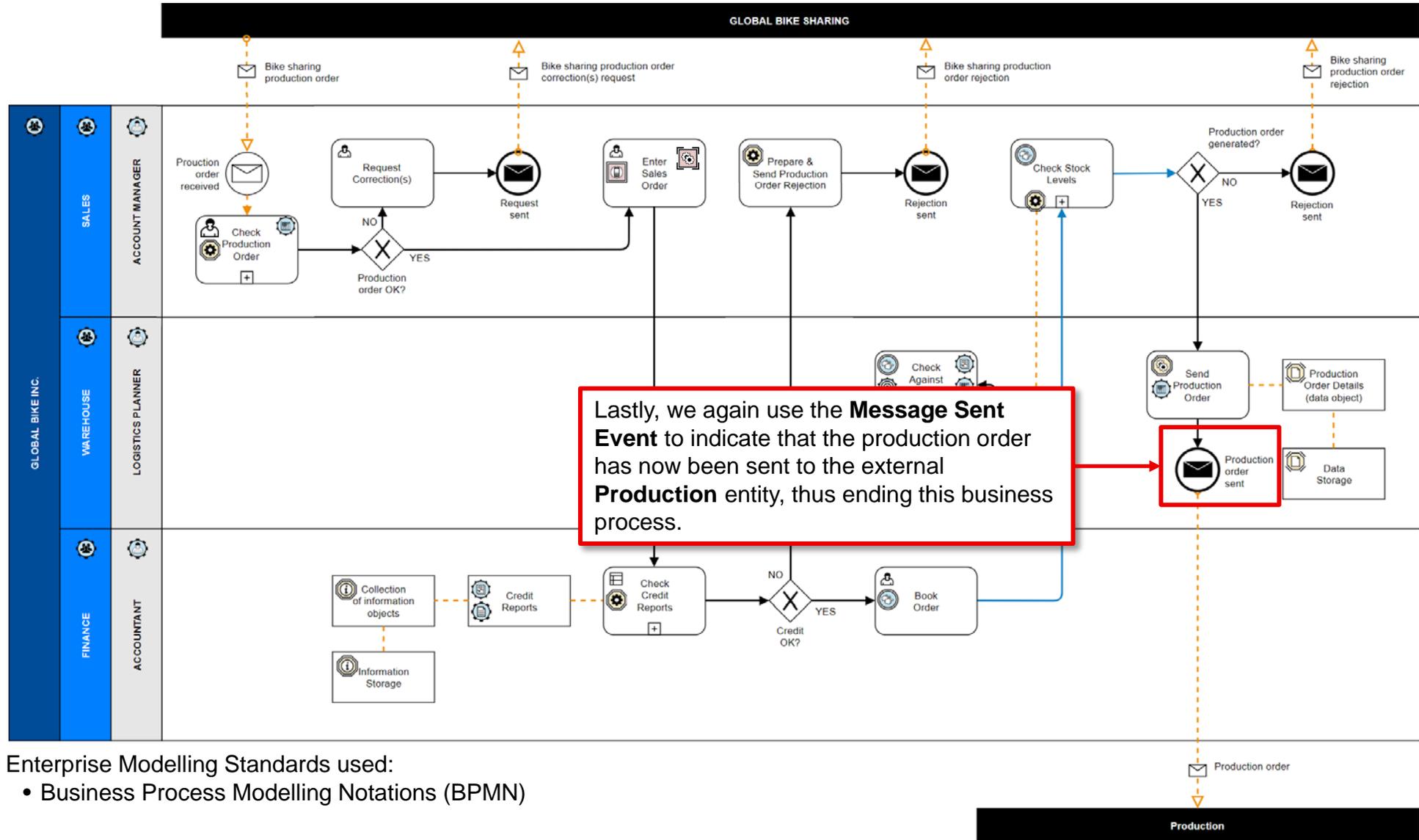
Enterprise Modelling Standards used:

- Business Process Modelling Notations (BPMN)
- Information Modelling Notations
- Application Modelling Notations
- Data Modelling Notations

Additional Data Modelling Notation objects that can be used



End Events (Message)



Enterprise Modelling Standards used:

- Business Process Modelling Notations (BPMN)

Before you begin modelling, you should take some time to create your objects first. Why? Because E+ is an object-oriented modelling tool.

We need to create a small range of customized meta objects for the enterprise modelling exercise.

Create Object

The screenshot displays the Enterprise Plus Tools interface. At the top right, the 'Software Tools' menu is open, with 'Create Object' highlighted. A red box and arrow point to this menu item. In the left sidebar, the 'Meta Object Definitions' menu item is also highlighted with a red box and arrow. A central text box explains that clicking 'Create Object' leads to the 'Meta Object Definitions' page. The main content area shows a grid of object definitions, including Force, Driver, Vision, Mission, Expectation, Value Proposition, Objective, Quality, Risk, Security, Measure, Report, Time, and Monitor.

Click the "Create Object" menu item from the Software Tools menu. This will take you directly to the "Meta Object Definitions" page in the left side menu. This is where we will begin creating all the objects needed for the business process model.

Meta Object Definitions

- Force (external or internal)**
New instance | View all instances
An external or internal factor that forces or pushes an enterprise in a specific direction.
- Driver (external or internal)**
New instance | View all instances
An external or internal factor that drives, establishes motivation for or influences the direction of an enterprise.
- Vision**
New instance | View all instances
The desired future state of the enterprise. An imagination of the future aspirational state of how the enterprise could or should be like without regard as to how this will be achieved.
- Mission**
New instance | View all instances
The purpose and nature of the enterprise.
- Expectation**
New instance | View all instances
The anticipated benefits that are of worth, importance, and significance to a specific stakeholder.
- Value Proposition**
New instance | View all instances
The merit and benefit that a customer, added value partner or
- Objective** Modified
New instance | View all instances
The purpose or target of one's efforts or actions.
- Quality** Modified
New instance | View all instances
A state of excellence or worth specifying the essential and distinguishing individual nature and the attributes based on the intended use.
- Risk**
New instance | View all instances
The combined impact of any conditions or events, including those caused by uncertainty, change, hazards or other factors that can affect the potential for achieving objectives.
- Security**
New instance | View all instances
- Measure** Modified
New instance | View all instances
Any type of measurement used to gauge performance as well as to monitor performance.
- Report** Modified
New instance | View all instances
The exposure, description, and portrayal of information about the status, direction or execution of work within the functions, services, processes, and resources of the enterprise.
- Time** Modified
New instance | View all instances
A plan, schedule, arrangement or measure for when something should initiate, take place, be completed or the amount of time consumed.
- Monitor** Modified
New instance | View all instances
To be aware of the state, through observation or measuring. To supervise and to continually check and critically observe. It means to determine the current status and to assess whether or not required or expected performance levels are actually being achieved.
- Control**
New instance | View all instances
The exercise of restraining or directing influence. It includes

Need Help? Terms of Use Copyright Privacy

Enterprise layers: choose between the main layers: Business, Information and Technology

Enterprise Plus Tools | Search | TRENDS INDUSTRY TOPICS | Software Tools

Objects / Meta Object Definitions

Main

- Enterprise Ontology
- Enterprise Semantics
- Objects
 - Social Media Notations
 - Business Concepts & Notations
 - Enterprise Concepts & Notations
 - Meta Object Definitions
 - Meta Object Nature
 - The Periodic Table of Enterprise Elements
 - X-BPMN Notations
 - BPMN 2.0 versus extended BPMN (X-BPMN)
 - Organizational Role Notations
 - Public Sector Concepts
 - Notations

Meta Object Definitions

Business

Information

Technology

aspects some aspect of an enterprise in a specific direction.

Driver (external or internal)
New instance | View all instances
An external or internal factor that drives, establishes motivation for or influences the direction of an enterprise.

Mission
New instance | View all instances
The purpose and nature of the enterprise.

Expectation
New instance | View all instances
The anticipated benefits that are of worth, importance, and significance to a specific stakeholder.

Value Proposition
New instance | View all instances
The merit and benefit that a customer, added value partner or

Strategy (Strategic Objective)
New instance | View all instances
The direction and ends to which the enterprise seeks as well as the means and methods by which the ends will be attained.

Goal (business, application or technology)
New instance | View all instances
A desired result considered a part of the organizational direction, aims, targets, and aspirations.

Objective Modified
New instance | View all instances
The purpose or target of one's efforts or actions.

Quality Modified
New instance | View all instances
A state of excellence or worth specifying the essential and distinguishing individual nature and the attributes based on the intended use.

Risk
New instance | View all instances
The combined impact of any conditions or events, including those caused by uncertainty, change, hazards or other factors that can affect the potential for achieving objectives.

Security
New instance | View all instances

Measure Modified
New instance | View all instances
Any type of measurement used to gauge some quantifiable component of an enterprise's performance.

Report Modified
New instance | View all instances
The exposure, description, and portrayal of information about the status, direction or execution of work within the functions, services, processes, and resources of the enterprise.

Time Modified
New instance | View all instances
A plan, schedule, arrangement or measure for when something should initiate, take place, be completed or the amount of time consumed.

Monitor Modified
New instance | View all instances
To be aware of the state, through observation or measuring. To supervise and to continually check and critically observe. It means to determine the current status and to assess whether or not required or expected performance levels are actually being achieved.

Control
New instance | View all instances
The exercise of restraining or directing influence. It includes

Need Help? | Terms of Use | Copyright | Privacy

Meta objects are categorized into 3 main layers:
1. Business
2. Information; and
3. Technology

Enterprise layers: Choose between the Business sublayers

Enterprise Plus Tools

Search

TRENDS INDUSTRY TOPICS

Software Tools

Objects / Meta Object Definitions

Main

Enterprise Ontology

Enterprise Semantics

Objects

- Social Media Notations
- Business Concepts & Notations
- Enterprise Concepts & Notations
- Meta Object Definitions
- Meta Object Nature
- The Periodic Table of Enterprise Elements
- X-BPMN Notations
- BPMN 2.0 versus eXtended BPMN (X-BPMN)
- Organizational Role Notations
- Public Sector Concepts & Notations

Business

Purpose & Goal (Value)

- Force (external or internal)**
New instance | View all instances
An external or internal factor that forces or pushes the enterprise in a specific direction.
- Driver (external or internal)**
New instance | View all instances
An external or internal factor that drives, establishes motivation for or influences the direction of an enterprise.
- Vision**
New instance | View all instances
The desired future state of the enterprise, the future aspirational state of how the enterprise should be like without regard as to how it is achieved.
- Mission**
New instance | View all instances
The purpose and nature of the enterprise.
- Expectation**
New instance | View all instances
The anticipated benefits that are of worth, importance, and significance to a specific stakeholder.
- Value Proposition**
New instance | View all instances
The merit and benefit that a customer, added value partner or

Goal (business, application or technology)
New instance | View all instances
A desired result considered a part of the organizational direction, aims, targets, and aspirations.

Risk
New instance | View all instances
The combined impact of any conditions or events, including those caused by uncertainty, change, hazards or other factors that can affect the potential for achieving objectives.

Security
New instance | View all instances

Measure Modified
New instance | View all instances
Any type of measurement used to gauge some quantifiable component of an enterprise's performance.

Report Modified
New instance | View all instances
The exposure, description, and portrayal of information about the status, direction or execution of work within the functions, services, processes, and resources of the enterprise.

Time Modified
New instance | View all instances
A plan, schedule, arrangement or measure for when something should initiate, take place, be completed or the amount of time consumed.

Monitor Modified
New instance | View all instances
To be aware of the state, through observation or measuring. To supervise and to continually check and critically observe. It means to determine the current status and to assess whether or not required or expected performance levels are actually being achieved.

Control
New instance | View all instances
The exercise of restraining or directing influence. It includes

Need Help? Terms of Use Copyright Privacy

Each of the 3 main layers contain sublayers which contain the objects themselves. The 4 sublayers of the **Business** main layer are:

1. Value
2. Competency
3. Service
4. Process

Enterprise layers: Choose between the Information sublayers

Enterprise Plus Tools | Search | TRENDS INDUSTRY TOPICS | Software Tools

Objects / Meta Object Definitions

Main

- Enterprise Ontology
- Enterprise Semantics
- Objects
 - Social Media Notations
 - Business Concepts & Notations
 - Enterprise Concepts & Notations
 - Meta Object Definitions
 - Meta Object Nature
 - The Periodic Table of Enterprise Elements
 - X-BPMN Notations
 - BPMN 2.0 versus extended BPMN (X-BPMN)
 - Organizational Role Notations
 - Public Sector Concepts & Notations

Meta Object Definitions

Information

Application

Application Component
New instance | View all instances
An encapsulation of application functionality that is independent of a particular implementation.

SAP Module
New instance | View all instances
A single executable part - which is part of the larger entire SAP application landscape - that provides identifiable functions and exists within a specific SAP application component.

SAP Application Feature Modified
New instance | View all instances
A notable property or characteristic of a component that can include a trait or design constraint.

SAP Application Function
New instance | View all instances
The specification of a significant aspect of the internal behaviour of the SAP application which acts as a broader description of a set of SAP application features.

SAP Application Task Modified
New instance | View all instances
The automated behaviour of a process activity performed by an SAP application.

SAP Application Service Modified

Information

Application

Data

SAP Application Rule
New instance | View all instances
A business rule that is implemented within and executed by the SAP application.

SAP Application Compliance
New instance | View all instances
Behaviour or ability within the SAP application whereby it can certify the integrity of application rules.

SAP Application Channel
New instance | View all instances
A physical communication path used by one or more SAP applications tasks and/or service to requisition, provision, or deliver outputs.

Application Media
New instance | View all instances
Material or matter used by an application as the source or method of accepting or providing inputs and outputs.

SAP Workflow
New instance | View all instances
The specification of the sequence in which two SAP application tasks, processes, or an SAP application task and an application event or gateway are executed, one of which provides an

SAP System Report
New instance | View all instances
Reports that are defined and implementable or implemented within or by the SAP application.

SAP System
New instance | View all instances
A collection of SAP software adding capabilities to the enterprise through its ability to enable work.

SAP Role

The 2 sublayers of the Information main layer are:
1. Application
2. Data

Need Help? | Terms of Use | Copyright | Privacy

Enterprise layers: Choose between the Infrastructure sublayers

ENTERPRISE PLUS TOOLS

Search

TRENDS INDUSTRY TOPICS

Software Tools

Objects / Meta Object Definitions

Main

Enterprise Ontology
Enterprise Semantics
Objects

- Social Media Notations
- Business Concepts & Notations
- Enterprise Concepts & Notations
- Meta Object Definitions
- Meta Object Nature
- The Periodic Table of Enterprise Elements
- X-BPMN Notations
- BPMN 2.0 versus eXtended BPMN (X-BPMN)
- Organizational Role Notations
- Public Sector Concepts & Notations

Technology

Platform

Platform Component Modified
New instance | View all instances
An abstract description of the features of the existing environment that the application software is expected to have to allow it to execute.

Platform Device
New instance | View all instances
A set of platform components configured to act as a modular part of a platform.

Platform Function
New instance | View all instances
The specification of a significant job and its behaviour of the platform.

Platform Rule
New instance | View all instances
Criteria used in the process of determining the behaviour of the platform.

Platform Media
New instance | View all instances
The matter or material provided by a platform as the source or method for storing data.

Platform Channel
New instance | View all instances
A physical path used by a platform to host an application software.

The 2 sublayers of the **Technology** main layer are:
1. Platform
2. Infrastructure

Infrastructure

Infrastructure Component
New instance | View all instances
An abstract description of the features of the existing environment that the platform requires to operate.

Infrastructure Device
New instance | View all instances
A set of infrastructure components configured to act as a modular part of the infrastructure.

Infrastructure Feature
New instance | View all instances
A notable property or characteristic of the infrastructure that can include a trait or design constraint.

Infrastructure Service
New instance | View all instances
A technical delivery task required to provide infrastructure enablement mechanisms to support the delivery of one or more parts of a platform.

Infrastructure Compliance (incl. Security)
New instance | View all instances
The means of adhering to and verifying adherence to policies and decisions about the infrastructure.

Infrastructure Media
New instance | View all instances
The matter or material provided by an infrastructure as the source or method for transmitting data.

Need Help? Terms of Use Copyright Privacy

Create the objects on this list

Since E+ has enterprise semantics build into their enterprise objects, you can also check the various object relations between each other

Main

Enterprise Ontology

Enterprise Semantics

Objects

Social Media Notations

Business Concepts & No

Enterprise Concepts & N

Meta Object Definitions

Meta Object Nature

The Periodic Table of Ent

Elements

X-BPMN Notations

BPMN 2.0 versus eXtend

BPMN (X-BPMN)

Organizational Role Not

Public Sector Concepts &

Notations

Now that you know the process of creating your own custom meta objects, you may now proceed with creating the remaining objects that we are going to use for our example business process model. The objects that you should create next are the following:

- **Role** (call the object "Account Manager")
- **Role** (call the object "Logistics Planner")
- **Role** (call the object "Accountant")
- **SAP Application Task** (call the object "Check Production Order (Automated Task)")
- **Measure** (call the object "Production order received (Measure)")
- **Platform Component** (call the object "Tablet")
- **SAP Application Task** (call the object "Risk Evaluation")
- **Report** (call the object "Credit Reports")
- **Business Rule** (call the object "Business Rule Flows")
- **Information Object** (call the object "Collection of Information Objects")
- **Information Object** (call the object "Information Storage")
- **SAP Application Task** (call the object "Prepare & Send Production Order Rejection")
- **Business Service** (call the object "Book Order")
- **Business Service** (call the object "Check Stock Levels")
- **SAP Application Task** (call the object "Check Stock Levels (RPA)")
- **Business Object** (call the object "Inventory (Collection of Business Objects)")
- **Measure** (call the object "Inventory Measure")
- **Business Object** (call the object "Inventory (Collection of Business Storage)")
- **Business Service** (call the object "Check Against Inventory Objectives (Business Service)")
- **Objective** (call the object "Check Against Inventory Objectives (Objective)")
- **Report** (call the object "Check Against Inventory Objectives (Report)")
- **Measure** (call the object "Check Against Inventory Objectives (Measure)")
- **Application Service** (call the object "Send Production Order")
- **Measure** (call the object "Send Production Order (Measure)")
- **Data Object** (call the object "Production Order Details")
- **Data Object** (call the object "Data Storage")

Software Tools

nces
r verifying adherence to rules and

nces
r geographic position that may be
r logically.

fied

nces
therwise interacting within an enterprise
se and its external partners (i.e.,
pliers, etc.).

nces
used to store information (i.e. printed
disk as well as non-volatile storage,

modified

nces
ce, course, succession, series or
as order for the movement of
l from one enterprise function, service
another.

Manage your objects: Go to the “My Objects” page

Enterprise Plus Tools | Search | TRENDS | INDUSTRY | TOPICS | Software Tools

Objects / Meta Object Definitions

Meta Object Definitions

Business | Business Competency

Business Competency

Organization Modified
New instance | View all instances
An arrangement or formation of resources that has a collective goals

Enterprise Capability
New instance | View all instances
A enterprise capability is an abstraction that represents the ability to perform a particular skillset i.e. organizational competencies, personal competencies, business function, processes, services, and technology.

Organizational Competency
New instance | View all instances
An integrated and holistic set of related knowledge, skills, and abilities related to a specific set of resources (including persons and organizations) that - once combined - enables the enterprise to do something well.

Resource
New instance | View all instances
A specific person, expertise, data, information, material, machine, land, capital or organization that is required to accomplish an activity or as a means to act on behalf of the enterprise to achieve a desired outcome.

Actor Modified
New instance | View all instances

Role Modified
New instance | View all instances
An actor may have a number of roles i.e. process role, service role or application role and many actors may be assigned the same role.

Organizational Function
New instance | View all instances
A cluster of tasks performing a specific class of jobs.

Business Object Modified
New instance | View all instances
A real world thing which relate to the enterprise's means to act.

Product Modified
New instance | View all instances
A result and output generated by the enterprise. It has a combination of tangible and intangible attributes (i.e.. features, functions, usage).

Contract Modified
New instance | View all instances
An agreement between two or more parties that establishes conditions for interaction.

Business Compliance
New instance | View all instances
The process or tools for verifying adherence to regulations and decisions.

Location Modified
New instance | View all instances
A point, facility, place or geographic position that may be referred to physically or logically.

Business Channel Modified
New instance | View all instances
A means of access or otherwise interacting within an enterprise or between an enterprise and its external partners (i.e.. customers, vendors, suppliers, etc.).

Business Media
New instance | View all instances
The material or matter used to store information (i.e. printed page, digital tape, CD, disk as well as non-volatile storage, screen, or memory).

Business Workflow Modified
New instance | View all instances
A flow, stream, sequence, course, succession, series or progression of as well as order for the movement of information or material from one enterprise function, service or activity (work site) to another.

Software Tools

- Create Object
- Create Map
- Create Matrix
- Create Model
- My Objects**
- My Maps
- My Matrices
- My Models

You should now visit the “My Objects” page.

https://www.sap.enterpriseplus.tools/sw/my-objects | Need Help? | Terms of Use | Copyright | Privacy

My Objects

Enterprise Plus Tools | Search | TRENDS INDUSTRY TOPICS | Software Tools

Tools / Objects

My Objects

Tools / Objects / My Objects

My Objects

My Maps

My Models

My Matrices

My Objects

→ Add to User Group | Export Object | Delete selected

Show Only: Select Object Class | Show Layer: Select Object Layer | Show Library: Select Library

Search by object id | Search by object name | Search by custom object | Search by object type | Search by username (own)

Own Objects | Global Bike Inc User Group

| ID | Notation | Object Name | Custom Name | Object Class | Username | Action | Created | Last Modified |
|-------|----------|-------------------------|---|--------------|----------|------------------|---------------------|---------------------|
| 13427 | | Measure | | | CEO | Choose an Action | 2018-10-11 12:05:05 | 2018-10-12 08:22:42 |
| 13429 | | Business Service | | | CEO | Choose an Action | 2018-10-11 12:15:33 | 2018-10-11 12:15:33 |
| 13428 | | Measure | | | CEO | Choose an Action | 2018-10-11 12:08:46 | 2018-10-11 12:08:46 |
| 13426 | | Measure | | | CEO | Choose an Action | 2018-10-11 12:00:25 | 2018-10-11 12:00:25 |
| 13425 | | Report | Check Against Inventory Objectives (Report) | Meta Object | CEO | Choose an Action | 2018-10-11 12:00:09 | 2018-10-11 12:00:09 |
| 13424 | | SAP Application Task | Check Stock Levels (RPA) | Meta Object | CEO | Choose an Action | 2018-10-11 11:42:38 | 2018-10-11 11:42:38 |
| 13423 | | SAP Application Task | Risk Evaluation | Meta Object | CEO | Choose an Action | 2018-10-11 11:29:44 | 2018-10-11 11:29:44 |
| 13415 | | SAP Application Feature | Robotic Process Automation | Meta Object | CEO | Choose an Action | 2018-10-11 11:12:20 | 2018-10-11 11:27:33 |
| 13421 | | Measure | Production Order Measure | Meta Object | CEO | Choose an Action | 2018-10-11 11:24:27 | 2018-10-11 11:24:27 |
| 13420 | | Report | Inventory Report | Meta Object | CEO | Choose an Action | 2018-10-11 11:24:06 | 2018-10-11 11:24:06 |

Need Help? | Terms of Use | Copyright | Privacy

The "My Objects" page shows a detailed list of all of your created meta objects. Here, you can double check if you have created all the objects you need as well as modify them if you wish to give an object a new name, or a specific stereotype, type or subtype.

Create Model

Enterprise Plus Tools

Search

TRENDS INDUSTRY TOPICS

Software Tools

Tools / Objects

My Objects

Tools

- My Objects
- My Maps
- My Models
- My Matrices

Now that we have all of our required objects in place, click the "Create Model" item from the Software Tools menu in the top right corner.

Show Library: Select Library

Search by object id

Search by object name

Search by username (own)

Own Objects Global Bike Inc User Group

| ID | Notation | Object Name | Custom Name | Object Class | Username | Action | Created | Last Modified |
|-------|----------|-------------------------|---|--------------|----------|------------------|---------------------|---------------------|
| 13427 | | Measure | Production order received (Measure) | Meta Object | CEO | Choose an Action | 2018-10-11 12:05:05 | 2018-10-12 08:22:42 |
| 13429 | | Business Service | Check Against Inventory Objectives (Business Service) | Meta Object | CEO | Choose an Action | 2018-10-11 12:15:33 | 2018-10-11 12:15:33 |
| 13428 | | Measure | Send Production Order (Measure) | Meta Object | CEO | Choose an Action | 2018-10-11 12:08:46 | 2018-10-11 12:08:46 |
| 13426 | | Measure | Check Against Inventory Objectives (Measure) | Meta Object | CEO | Choose an Action | 2018-10-11 12:00:25 | 2018-10-11 12:00:25 |
| 13425 | | Report | Check Against Inventory Objectives (Report) | Meta Object | CEO | Choose an Action | 2018-10-11 12:00:09 | 2018-10-11 12:00:09 |
| 13424 | | SAP Application Task | Check Stock Levels (RPA) | Meta Object | CEO | Choose an Action | 2018-10-11 11:42:38 | 2018-10-11 11:42:38 |
| 13423 | | SAP Application Task | Risk Evaluation | Meta Object | CEO | Choose an Action | 2018-10-11 11:29:44 | 2018-10-11 11:29:44 |
| 13415 | | SAP Application Feature | Robotic Process Automation | Meta Object | CEO | Choose an Action | 2018-10-11 11:12:20 | 2018-10-11 11:27:33 |
| 13421 | | Measure | Production Order Measure | Meta Object | CEO | Choose an Action | 2018-10-11 11:24:27 | 2018-10-11 11:24:27 |
| 13420 | | Report | Inventory Report | Meta Object | CEO | Choose an Action | 2018-10-11 11:24:06 | 2018-10-11 11:24:06 |

Need Help? Terms of Use Copyright Privacy

https://www.sap.enterpriseplus.tools/index.php?title=Category:Models

Now we can begin creating the
“GBI Production & GBS Retailer”
model and views.

Blank diagram

Model New model

Session expiring after: 7:59:59

Renew

File Edit View Arrange Extras



Search Shapes

Select Objects

My Own Objects (all)

Selected Objects

General

Misc

Advanced

Basic

Arrows

UML

BPMN General

BPMN Gateways

BPMN Events

Entity Relation

Flowchart

Clipart

Clicking the “Create Model” item will take you to a blank diagram canvas that we are going to use to draw our Retailer Production Order business process model on.

The first thing you should do is to save the diagram (even though it is empty for now). This ensures that you have a model that is saved unto your Model Repository so that you can always access it later on.

Diagram

View

Grid 10 pt

Guides

Page View

Background Image

Options

Connection arrows

Connection points

Paper Size

US-Letter (8,5" x 11")

Portrait Landscape

Edit Data

Clear Default Style

Save your model first

Model New model

Session expiring after: 7:59:02

Renew

File Edit View Arrange Extras

- New...
- Open...
- Save Ctrl+S
- Save as... Ctrl+Shift+S**
- Import...
- Import XML...
- Export...
- Page Setup...
- Print... Ctrl+P

In the "File" menu in the top left corner, click on the "Save as..." menu item. Give the model the name "GBI Production & GBS Retailer X-BPMN Model" and click "Save".

Diagram

View

- Grid 10 pt
- Guides
- Page View
- Background Image

Options

- Connection arrows
- Connection points

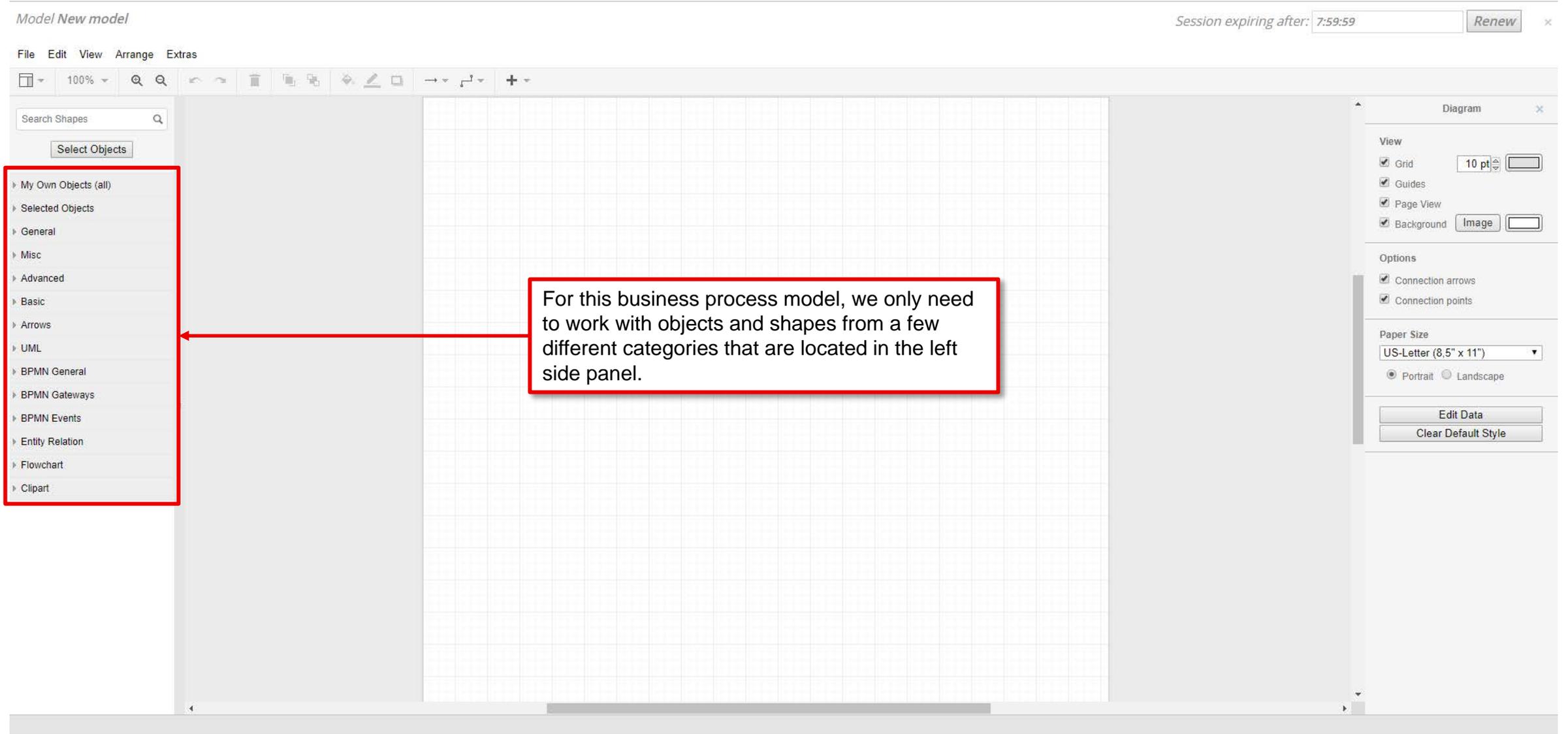
Paper Size

- US-Letter (8,5" x 11")
- Portrait Landscape

Edit Data

Clear Default Style

The Objects and Shapes categories



The screenshot displays the software interface for creating a business process model. The main workspace is a grid. On the left, there is a panel titled "Objects and Shapes" with a search bar and a "Select Objects" button. Below this is a list of categories: My Own Objects (all), Selected Objects, General, Misc, Advanced, Basic, Arrows, UML, BPMN General, BPMN Gateways, BPMN Events, Entity Relation, Flowchart, and Clipart. A red box highlights this list, and a red arrow points from a text box to it. The text box contains the following text:

For this business process model, we only need to work with objects and shapes from a few different categories that are located in the left side panel.

On the right side, there is a "Diagram" panel with various settings: View (Grid, Guides, Page View, Background), Options (Connection arrows, Connection points), and Paper Size (US-Letter (8.5" x 11"), Portrait, Landscape). There are also buttons for "Edit Data" and "Clear Default Style".

My Own Objects (all)

Model New model Session expiring after: 7:54:11 Renew ×

File Edit View Arrange Extras

100%

Search Shapes Q Q

Select Objects

▼ My Own Objects (all)

▼ Meta Object



My Own Objects (all) > Meta Objects

This category contains all of the objects that you have created in the earlier phase of this tutorial. As you can see, the object list shows the notations (graphical icons) for all of the various meta objects that you have created.

Diagram ×

View

- Grid 10 pt
- Guides
- Page View
- Background Image

Options

- Connection arrows
- Connection points

Paper Size

US-Letter (8.5" x 11")

Portrait Landscape

Edit Data

Clear Default Style

General shapes

Model New model Session expiring after: 7:50:58 Renew ×

File Edit View Arrange Extras

100%

Search Shapes

Select Objects

My Own Objects (all)

Selected Objects

General

General

This category contains simple and basic shapes that you can use to draw diagrams and models with.

Misc

Advanced

Basic

Arrows

UML

BPMN General

BPMN Gateways

BPMN Events

Diagram ×

View

Grid

Guides

Page View

Background

Options

Connection arrows

Connection points

Paper Size

Portrait Landscape

Edit Data

Clear Default Style

BPMN General

Model New model

Session expiring after: 7:49:36 Renew ×

File Edit View Arrange Extras



Arrows

UML

BPMN General



BPMN Gateways
BPMN Events
Entity Relation
Flowchart
Clipart

BPMN General
This category contains all kinds of basic BPMN shapes and objects that you can use to draw your business process model with.

Diagram ×

View

- Grid 10 pt
- Guides
- Page View
- Background Image

Options

- Connection arrows
- Connection points

Paper Size

- US-Letter (8.5" x 11")
- Portrait Landscape

Edit Data
Clear Default Style

BPMN Gateways

Model New model

Session expiring after: 7:48:39 Renew ×

File Edit View Arrange Extras



BPMN Gateways

BPMN Gateways
This category contains all the available BPMN Gateway objects.

Diagram ×

View

- Grid
- Guides
- Page View
- Background

Options

- Connection arrows
- Connection points

Paper Size

US-Letter (8.5" x 11")

Portrait Landscape

Edit Data
Clear Default Style

BPMN Events

Model New model

Session expiring after: 7:47:45

Renew

File Edit View Arrange Extras



BPMN Events

This category contains all the available BPMN Events objects.

Diagram

View

- Grid 10 pt
- Guides
- Page View
- Background Image

Options

- Connection arrows
- Connection points

Paper Size

- US-Letter (8.5" x 11")
- Portrait Landscape

Edit Data

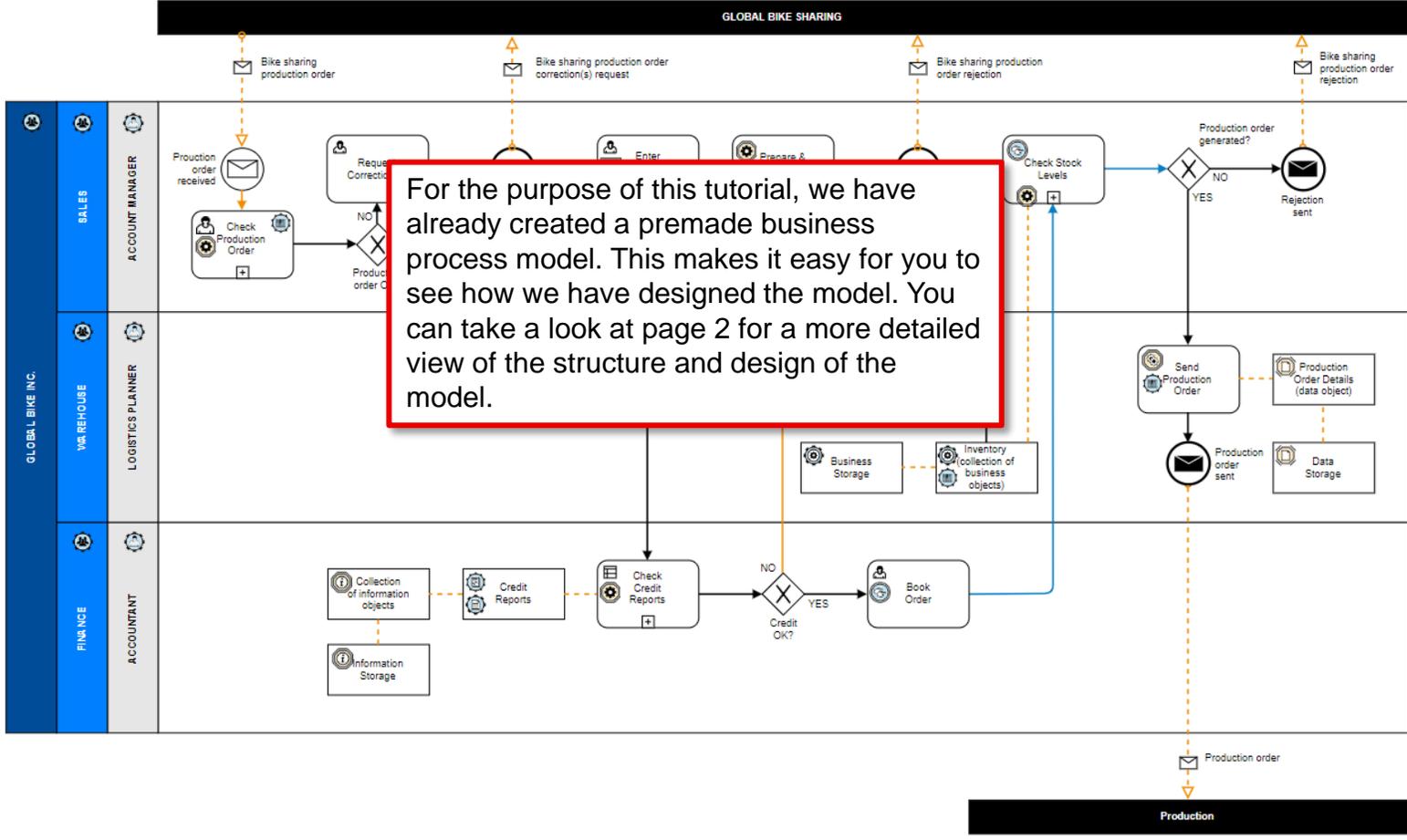
Clear Default Style

Overview of the GBI Production & GBS Retailer business process model on the diagramming canvas

Search Shapes

Select Objects

- My Own Objects (all)
- Selected Objects
- General
- Misc
- Advanced
- Basic
- Arrows
- UML
- BPMN General
- BPMN Gateways
- BPMN Events
- Entity Relation
- Flowchart
- Clipart



For the purpose of this tutorial, we have already created a premade business process model. This makes it easy for you to see how we have designed the model. You can take a look at page 2 for a more detailed view of the structure and design of the model.

Diagram

View

- Grid
- Guides
- Page View
- Background Image

Options

- Connection arrows
- Connection points

Paper Size

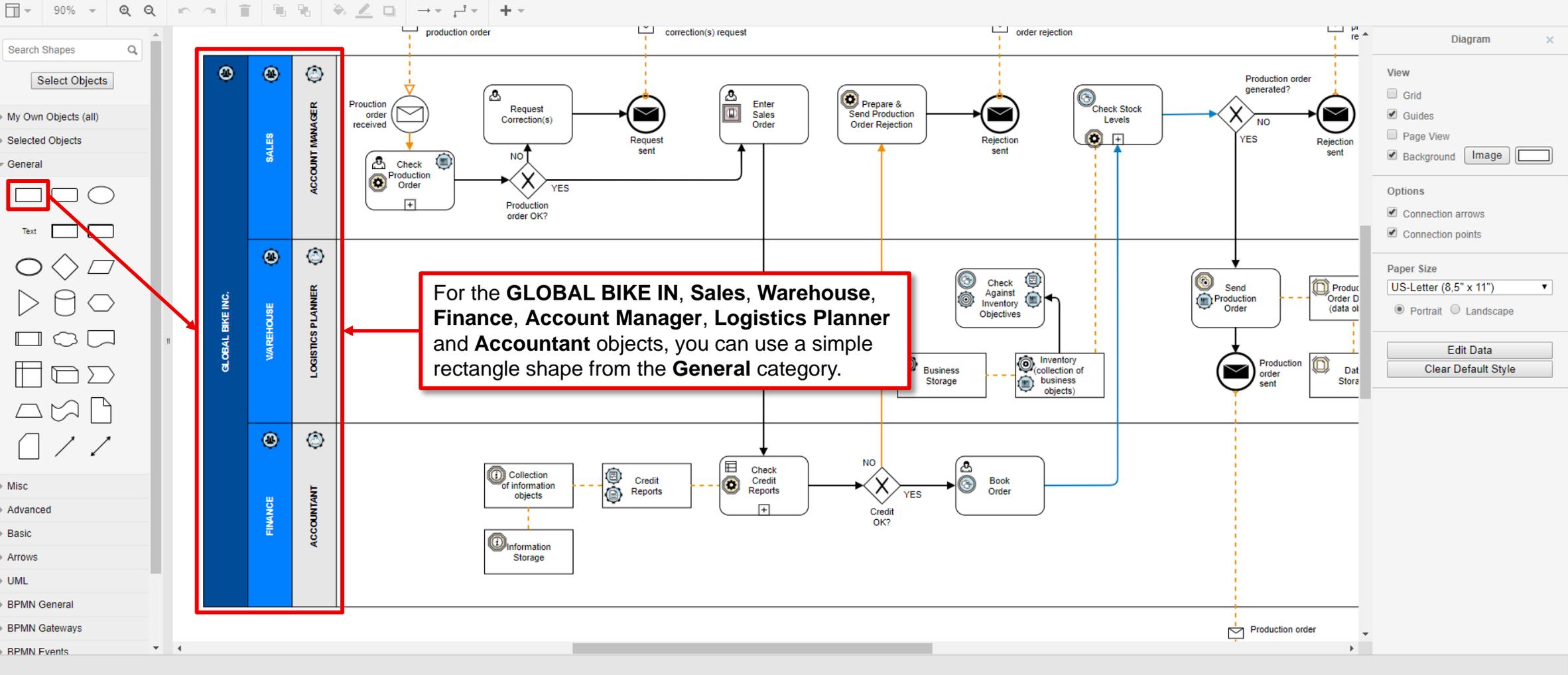
US-Letter (8.5" x 11")

Portrait Landscape

Edit Data

Clear Default Style

Adding Shapes and Objects



Adding Shapes and Objects

Model* E+ GBI Production & GBS Retailer Case

Session expiring after: 7:28:55

Renew

File Edit View Arrange Extras



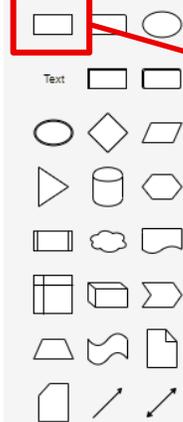
Search Shapes

Select Objects

My Own Objects (all)

Selected Objects

General



Misc

Advanced

Basic

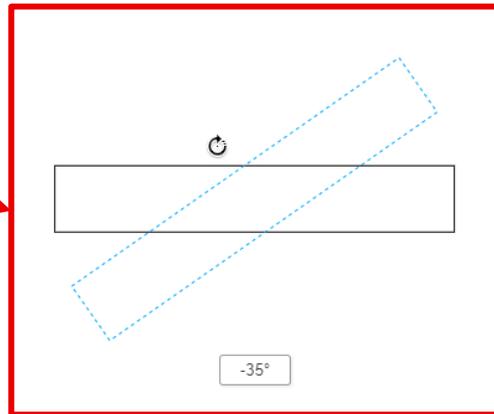
Arrows

UML

BPMN General

BPMN Gateways

BPMN Events



Either click the shape in the General panel in the left menu or drag it onto the canvas to create it. Then stretch and rotate it. If you double-click the shape, you can also enter a name for the shape.

If you do this, make sure to name the shape exactly as the object it represents. As it is the first shape + object that we create, we are going to create the shape as our **Enterprise** object that we created earlier.

Style Text Arrange

Fill

Gradient

Line

1 pt

Perimeter 0 pt

Opacity 100 %

Rounded Shadow

Glass Comic

Edit Style Edit Image

Set as Default Style

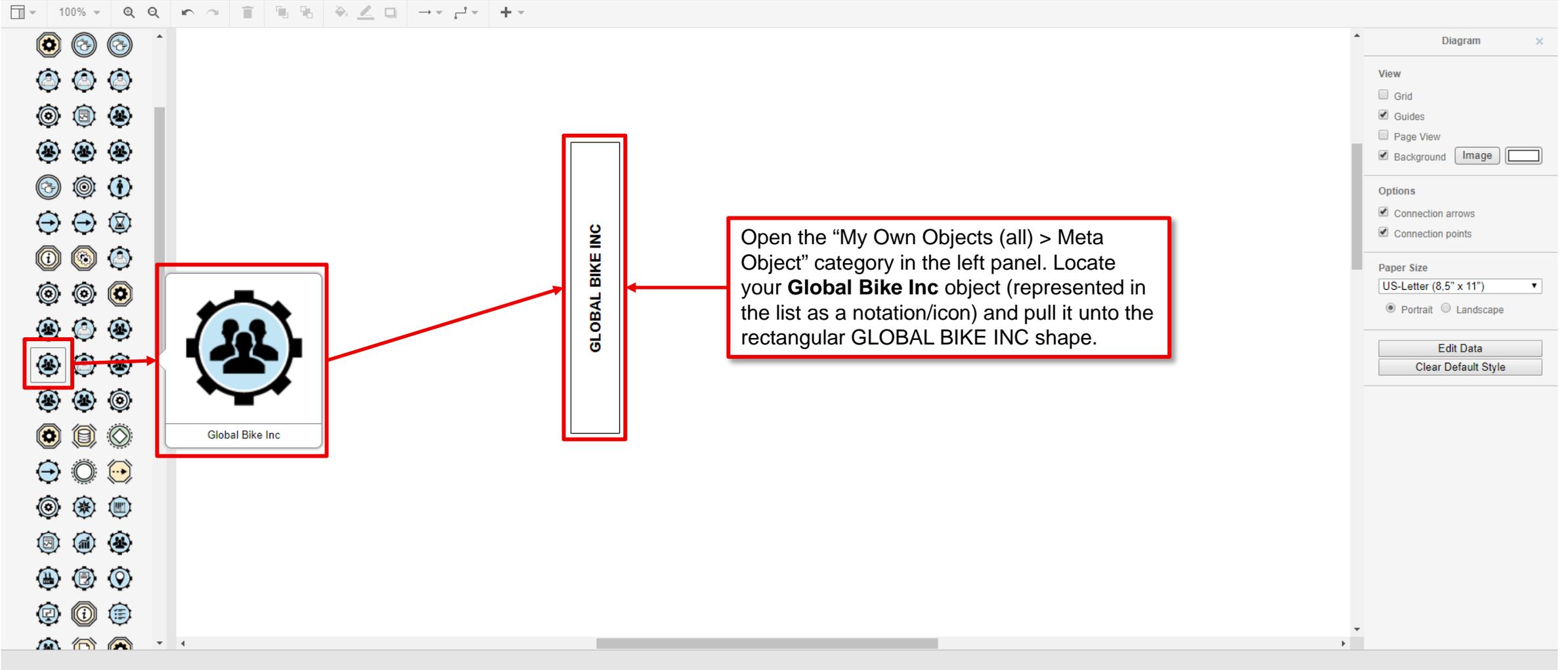
Adding Shapes and Objects

Model* E+ GBI Production & GBS Retailer Case

Session expiring after: 7:56:22

Renew

File Edit View Arrange Extras



100%

Diagram

View

- Grid
- Guides
- Page View
- Background

Options

- Connection arrows
- Connection points

Paper Size

US-Letter (8.5" x 11")

Portrait Landscape

Edit Data

Clear Default Style

GLOBAL BIKE INC

Global Bike Inc

Open the "My Own Objects (all) > Meta Object" category in the left panel. Locate your **Global Bike Inc** object (represented in the list as a notation/icon) and pull it unto the rectangular GLOBAL BIKE INC shape.

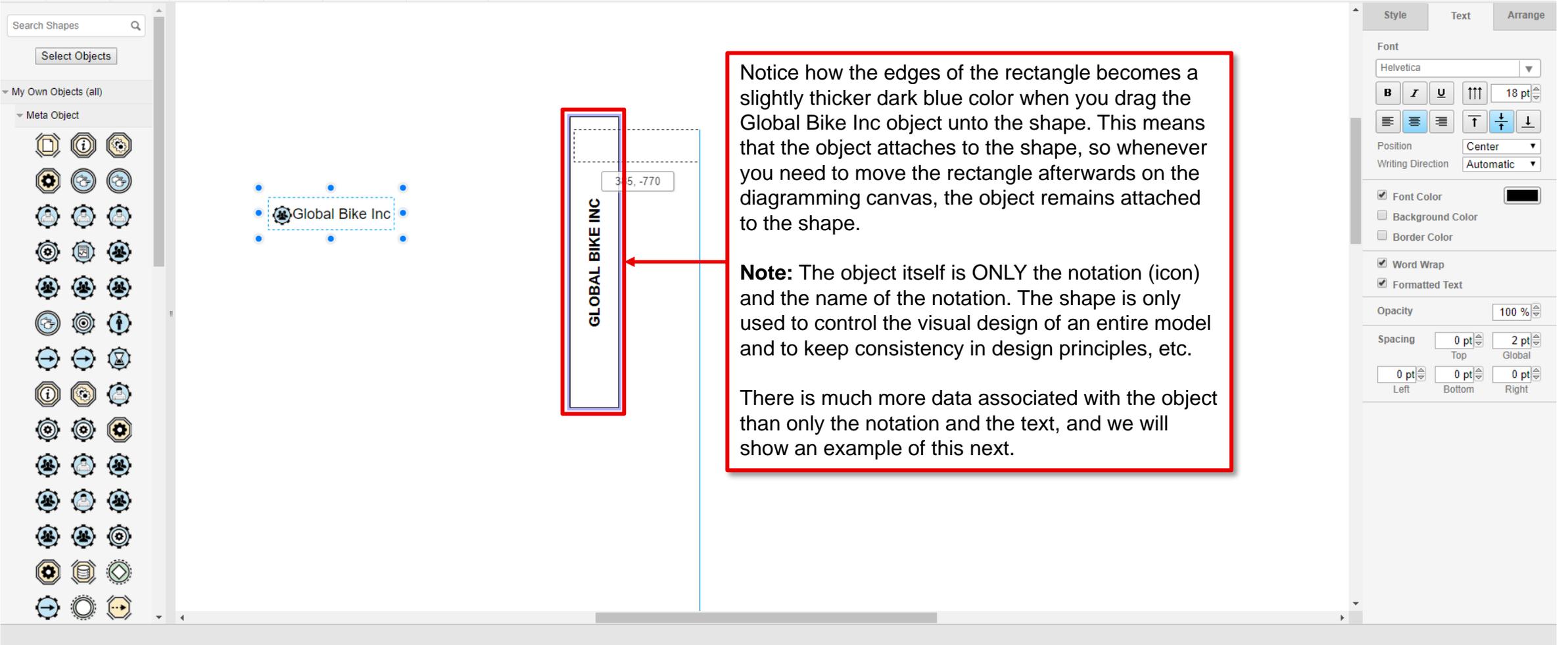
Adding Shapes and Objects

Model* E+ GBI Production & GBS Retailer Case

Session expiring after: 7:51:46

Renew

File Edit View Arrange Extras



Search Shapes

Select Objects

My Own Objects (all)

Meta Object

Global Bike Inc

GLOBAL BIKE INC

35, -770

Style Text Arrange

Font

Helvetica

B I U ↑↑↑ 18 pt

Position Center

Writing Direction Automatic

Font Color

Background Color

Border Color

Word Wrap

Formatted Text

Opacity 100 %

Spacing 0 pt 2 pt

Top Global

0 pt 0 pt 0 pt

Left Bottom Right

Notice how the edges of the rectangle becomes a slightly thicker dark blue color when you drag the Global Bike Inc object into the shape. This means that the object attaches to the shape, so whenever you need to move the rectangle afterwards on the diagramming canvas, the object remains attached to the shape.

Note: The object itself is ONLY the notation (icon) and the name of the notation. The shape is only used to control the visual design of an entire model and to keep consistency in design principles, etc.

There is much more data associated with the object than only the notation and the text, and we will show an example of this next.

Editing Objects



If you want to hide the name of the object or edit some of its data, simply select the object, right-click on it, and then click on the "Edit Object" function.

Style Text Arrange

Font

Helvetica

B I U ↑↑ 18 pt

☰ ☰ ☰ ↑ ↓

Position Center

Writing Direction Automatic

Font Color █

Background Color

Border Color

Word Wrap

Formatted Text

Opacity 100 %

Spacing 0 pt 2 pt

Top Global

0 pt 0 pt 0 pt

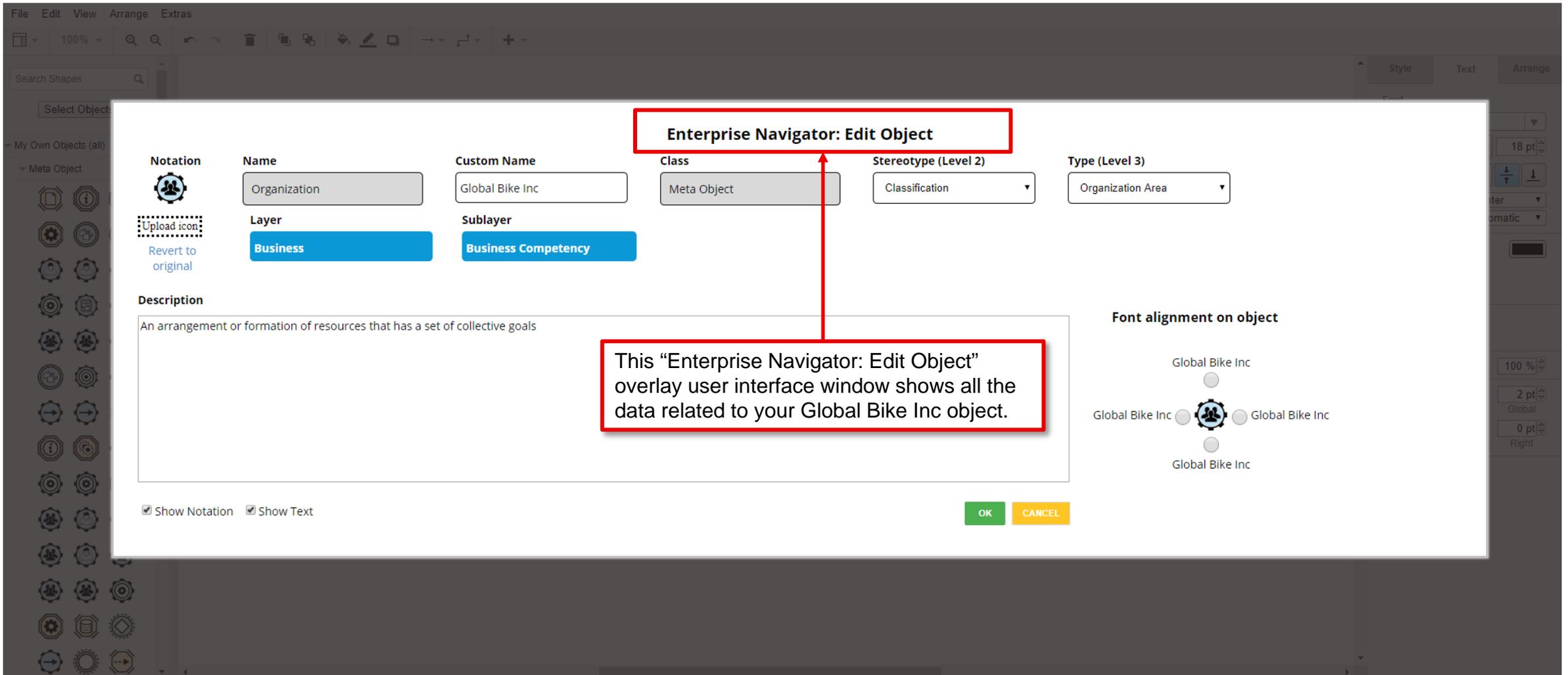
Left Bottom Right

The “Enterprise Navigator: Edit Object” interface

Model* E+ GBI Production & GBS Retailer Case

Session expiring after: 7:42:28

Renew



The screenshot displays the 'Enterprise Navigator: Edit Object' window. The title bar at the top of the window is highlighted with a red box. The interface includes several sections:

- Notation:** Shows a gear icon and an 'Upload icon' button with a 'Revert to original' link.
- Name:** A text field containing 'Organization'.
- Layer:** A blue button labeled 'Business'.
- Custom Name:** A text field containing 'Global Bike Inc'.
- Sublayer:** A blue button labeled 'Business Competency'.
- Class:** A dropdown menu showing 'Meta Object'.
- Stereotype (Level 2):** A dropdown menu showing 'Classification'.
- Type (Level 3):** A dropdown menu showing 'Organization Area'.
- Description:** A text area containing the text: 'An arrangement or formation of resources that has a set of collective goals'.
- Font alignment on object:** A diagram showing a central gear icon surrounded by four circles, each labeled 'Global Bike Inc'.

At the bottom of the window, there are checkboxes for 'Show Notation' and 'Show Text', and 'OK' and 'CANCEL' buttons.

A red box highlights the title 'Enterprise Navigator: Edit Object' at the top of the window. Another red box highlights a text block in the center: 'This “Enterprise Navigator: Edit Object” overlay user interface window shows all the data related to your Global Bike Inc object.' A red arrow points from this text block to the 'Class' dropdown menu.

Information about your Object

The screenshot shows the 'Enterprise Navigator: Edit Object' dialog box. The dialog is titled 'Enterprise Navigator: Edit Object' and contains several sections:

- Notation:** A gear icon, an 'Upload icon' button, and a 'Revert to original' link.
- Name:** A text input field containing 'Organization'.
- Custom Name:** A text input field containing 'Global Bike Inc'.
- Class:** A dropdown menu showing 'Meta Object'.
- Stereotype (Level 2):** A dropdown menu showing 'Classification'.
- Type (Level 3):** A dropdown menu showing 'Organization Area'.
- Layer:** A blue button labeled 'Business'.
- Sublayer:** A blue button labeled 'Business Competency'.
- Description:** A text area containing 'An arrangement or formation of resources that has a set of collective goals'.
- Font alignment on object:** A diagram showing 'Global Bike Inc' text with a central gear icon, demonstrating alignment options.

At the bottom of the dialog, there are checkboxes for 'Show Notation' and 'Show Text', and 'OK' and 'CANCEL' buttons.

You can see its notation (you can even upload your own notation if you want, or return to the original "Notation" if you change your mind later. You can also see its original "Name", its current "Custom Name", which "Class" it is and if it has any Stereotypes, Types or Subtypes. Finally, you can also see which "Layer" and "Sublayer" it is part of.

Information about your Object

File Edit View Arrange Extras

100%

Search Shapes

Select Object

My Own Objects (all)

Meta Object

Enterprise Navigator: Edit Object

| | | | | | |
|---|-----------------------------|--|-----------------------------|---|--|
| Notation  Upload icon Revert to original | Name Organization | Custom Name Global Bike Inc | Class Meta Object | Stereotype (Level 2) Classification | Type (Level 3) Organization Area |
| | Layer Business | Sublayer Business Competency | | | |

Description

An arrangement or formation of resources that has a set of collective goals

There are also 2 main functions of the object itself when it comes to representation of the object on the diagramming canvas. You can either choose to show the object by its "Notation" only, by its text ("Custom Name") only, or even both.

Show Notation Show Text

Font alignment on object



OK CANCEL

Information about your Object

Model* E+ GBI Production & GBS Retailer Case

Session expiring after: 7:42:28

Renew

Enterprise Navigator: Edit Object

Notation
Upload icon
Revert to original

Name
Organization

Custom Name
Global Bike Inc

Class
Meta Object

Stereotype (Level 2)
Classification

Type (Level 3)
Organization Area

Layer
Business

Sublayer
Business Competency

Description
An arrangement or formation of resources that has a set of collective goals

Finally, the “Enterprise Navigator: Edit Object” function also allows you to align the text to the object by either top, right, bottom or left. This gives you more options for designing the elements that contains your objects properly, making sure that design and visual appeal is consistent and pleasing to the eyes.

Font alignment on object

Global Bike Inc
Global Bike Inc
Global Bike Inc
Global Bike Inc

Show Notation Show Text

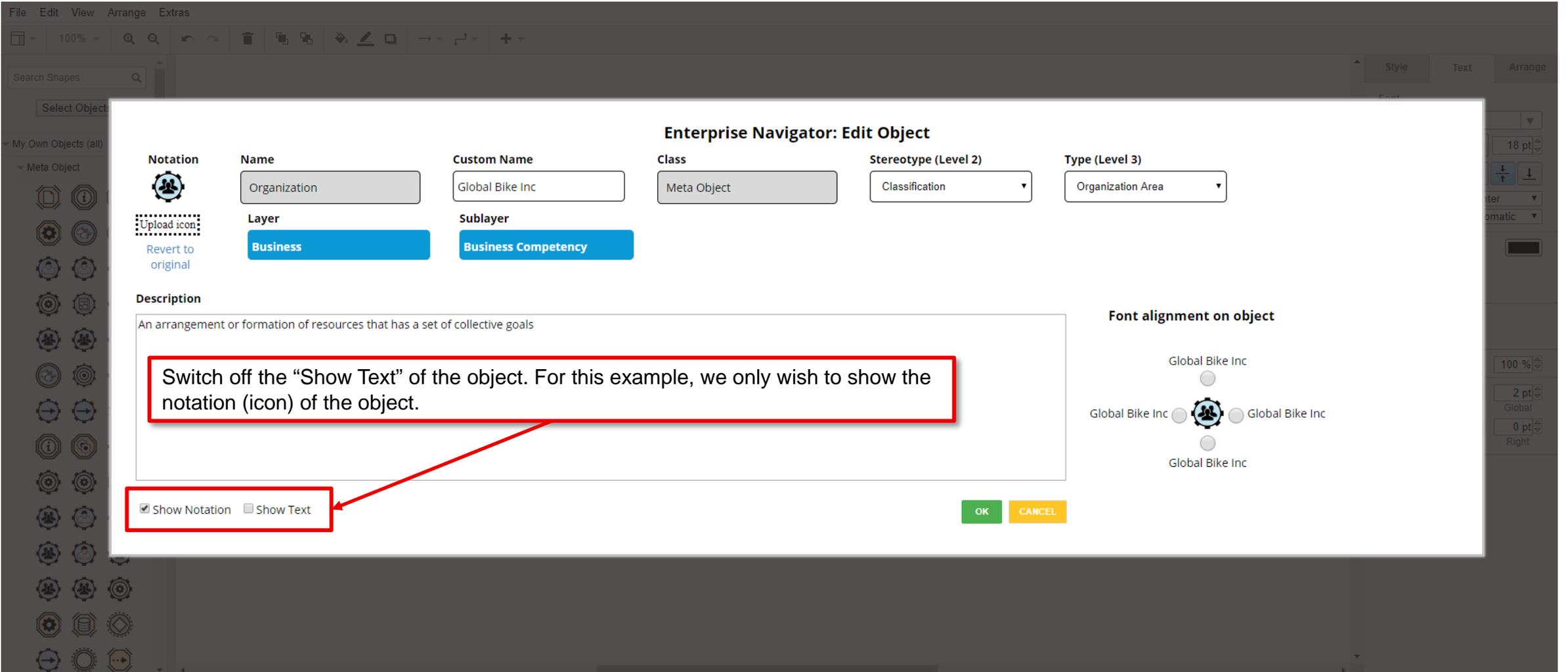
OK CANCEL

Information about your Object

Model* E+ GBI Production & GBS Retailer Case

Session expiring after: 7:32:45

Renew



Enterprise Navigator: Edit Object

Notation
Upload icon
Revert to original

Name
Organization

Custom Name
Global Bike Inc

Class
Meta Object

Stereotype (Level 2)
Classification

Type (Level 3)
Organization Area

Layer
Business

Sublayer
Business Competency

Description
An arrangement or formation of resources that has a set of collective goals

Switch off the "Show Text" of the object. For this example, we only wish to show the notation (icon) of the object.

Show Notation Show Text

Font alignment on object

Global Bike Inc
Global Bike Inc
Global Bike Inc
Global Bike Inc

OK CANCEL

Adding Shapes and Objects

Model* E+ GBI Production & GBS Retailer Case

Session expiring after: 6:55:39

Renew

File Edit View Arrange Extras

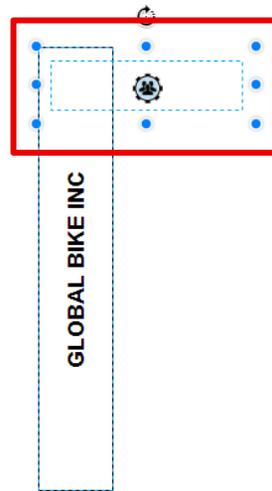


Search Shapes

Select Objects

My Own Objects (all)

Meta Object



As you can see now, we have switched off the text (Custom Name) of the object and we only now see the notation of the object. The blue dotted lines around the notation shows the selection field of the object.

We want to minimize this field a bit so that it only just is around the notation.

The 8 different blue dots represent anchor that you use to attach to ends of lines and arrows. This ensures that whenever you move the notation or the line/arrow, they will stay attached to one another.

Style Text Arrange

Font

Helvetica

B I U ↑↑↑ 18 pt

Position Center

Writing Direction Automatic

Font Color Background Color Border Color

Word Wrap Formatted Text

Opacity 100 %

Spacing 0 pt 2 pt Top Global

0 pt 0 pt 0 pt Left Bottom Right

Adding Shapes and Objects

Model* E+ GBI Production & GBS Retailer Case

Session expiring after: 6:52:31

Renew

File Edit View Arrange Extras

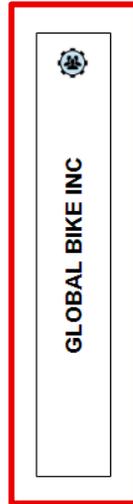


Search Shapes

Select Objects

My Own Objects (all)

Meta Object



Now you have a nice visual representation of your "Global Bike Inc" object that you can drag around on the diagramming canvas.

Diagram

View

Grid

Guides

Page View

Background

Image

Options

Connection arrows

Connection points

Paper Size

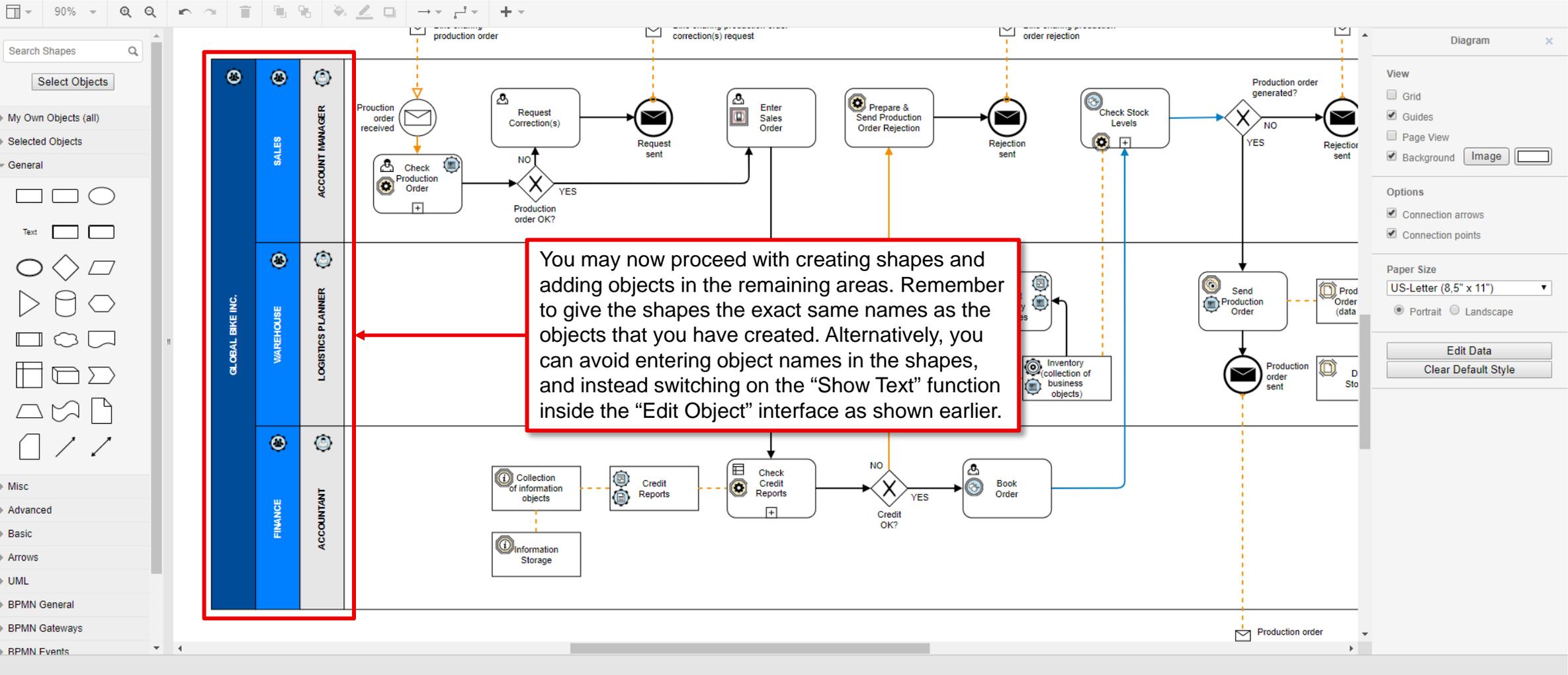
US-Letter (8.5" x 11")

Portrait Landscape

Edit Data

Clear Default Style

Adding Shapes and Objects



Adding Shapes and Objects

Model* E+ GBI Production & GBS Retailer Case

Session expiring after: 6:46:24

Renew

File Edit View Arrange Extras



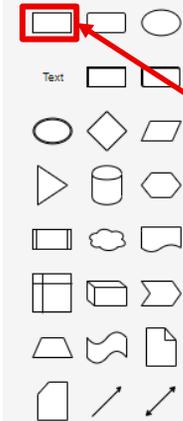
Search Shapes

Select Objects

My Own Objects (all)

Selected Objects

General



Misc

Advanced

Basic

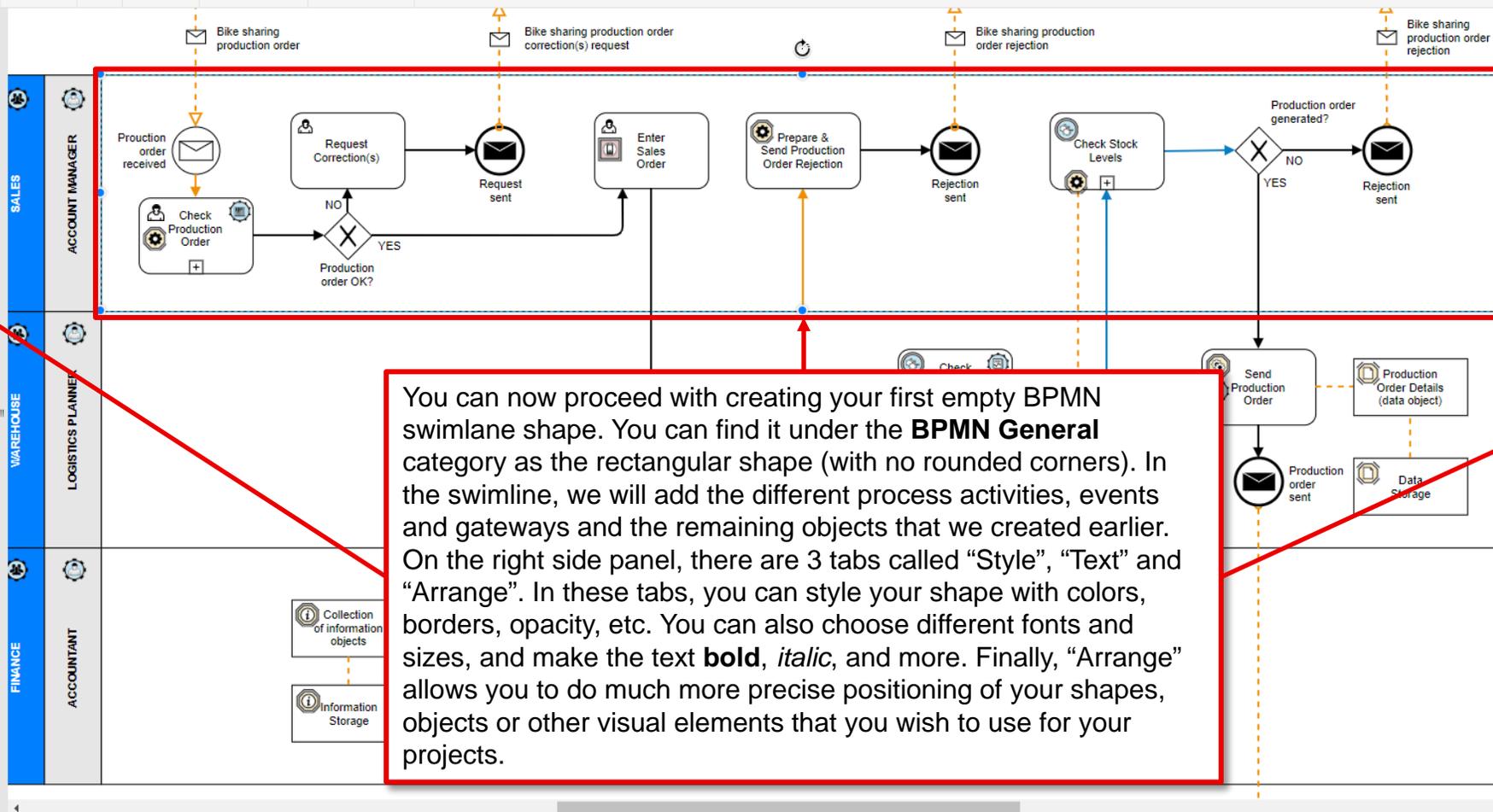
Arrows

UML

BPMN General

BPMN Gateways

BPMN Events



Style Text Arrange

Fill Gradient

Line Perimeter

Line: 1 pt

Perimeter: 0 pt

Opacity: 100 %

Rounded Shadow Glass Comic

Edit Style Edit Image

Set as Default Style

You can now proceed with creating your first empty BPMN swimlane shape. You can find it under the **BPMN General** category as the rectangular shape (with no rounded corners). In the swimlane, we will add the different process activities, events and gateways and the remaining objects that we created earlier. On the right side panel, there are 3 tabs called "Style", "Text" and "Arrange". In these tabs, you can style your shape with colors, borders, opacity, etc. You can also choose different fonts and sizes, and make the text **bold**, *italic*, and more. Finally, "Arrange" allows you to do much more precise positioning of your shapes, objects or other visual elements that you wish to use for your projects.

Adding Shapes and Objects

Model* E+ GBI Production & GBS Retailer Case

Session expiring after: 6:41:15

Renew

File Edit View Arrange Extras

The screenshot displays the Enterprise Plus Tools interface for modeling a BPMN diagram. The main workspace shows a process flow involving 'GLOBAL BIKE INC.' and 'WAREHOUSE'. A large black rectangular shape at the top, labeled 'GLOBAL BIKE SHARING', represents a Pool. Three outgoing arrows from this pool are labeled: 'Bike sharing production order', 'Bike sharing production order correction(s) request', and 'Bike sharing production order rejection'. The process flow includes tasks such as 'Check Production Order', a decision diamond 'Production order OK?', 'Request Correction(s)', 'Check Stock Levels', 'Check Against Inventory Objectives', 'Business Storage', and 'Inventory (collection of business objects)'. A 'Rejection sent' event is also present. On the left, a 'Search Shapes' panel shows a red box around a rectangular shape icon. A central text box explains that this black box is a Pool representing an external entity.

GLOBAL BIKE SHARING

Bike sharing production order

Bike sharing production order correction(s) request

Bike sharing production order rejection

Production order received

Request Correction(s)

Check Production Order

Production order OK?

Rejection sent

Check Stock Levels

Check Against Inventory Objectives

Business Storage

Inventory (collection of business objects)

GLOBAL BIKE INC.

SALES

ACCOUNT MANAGER

WAREHOUSE

LOGISTICS PLANNER

Style Text Arrange

Fill

Gradient

Line

Perimeter

Opacity

Rounded

Shadow

Glass

Comic

Edit Style

Edit Image

Set as Default Style

110%

Search Shapes

Select Objects

My Own Objects (all)

Selected Objects

General

Misc

Advanced

Basic

Arrows

UML

BPMN General

BPMN Gateways

BPMN Events

6:41:15

Renew

File Edit View Arrange Extras

100%

1 pt

0 pt

100%

Add the GLOBAL BIKE SHARING shape as a black box. In BPMN, black boxes are called **Pools** as described in the beginning of this tutorial.

Similar to the rectangular shapes that you created earlier, this GLOBAL BIKE SHARING black box is also just a black shape with the name 'GLOBAL BIKE SHARING'. This is a representation of an entity outside the company, in this case the Bike Sales Shop.

Adding Shapes and Objects

Model* E+ GBI Production & GBS Retailer Case

Session expiring after: 6:37:27

Renew

File Edit View Arrange Extras



Arrows

UML

BPMN General



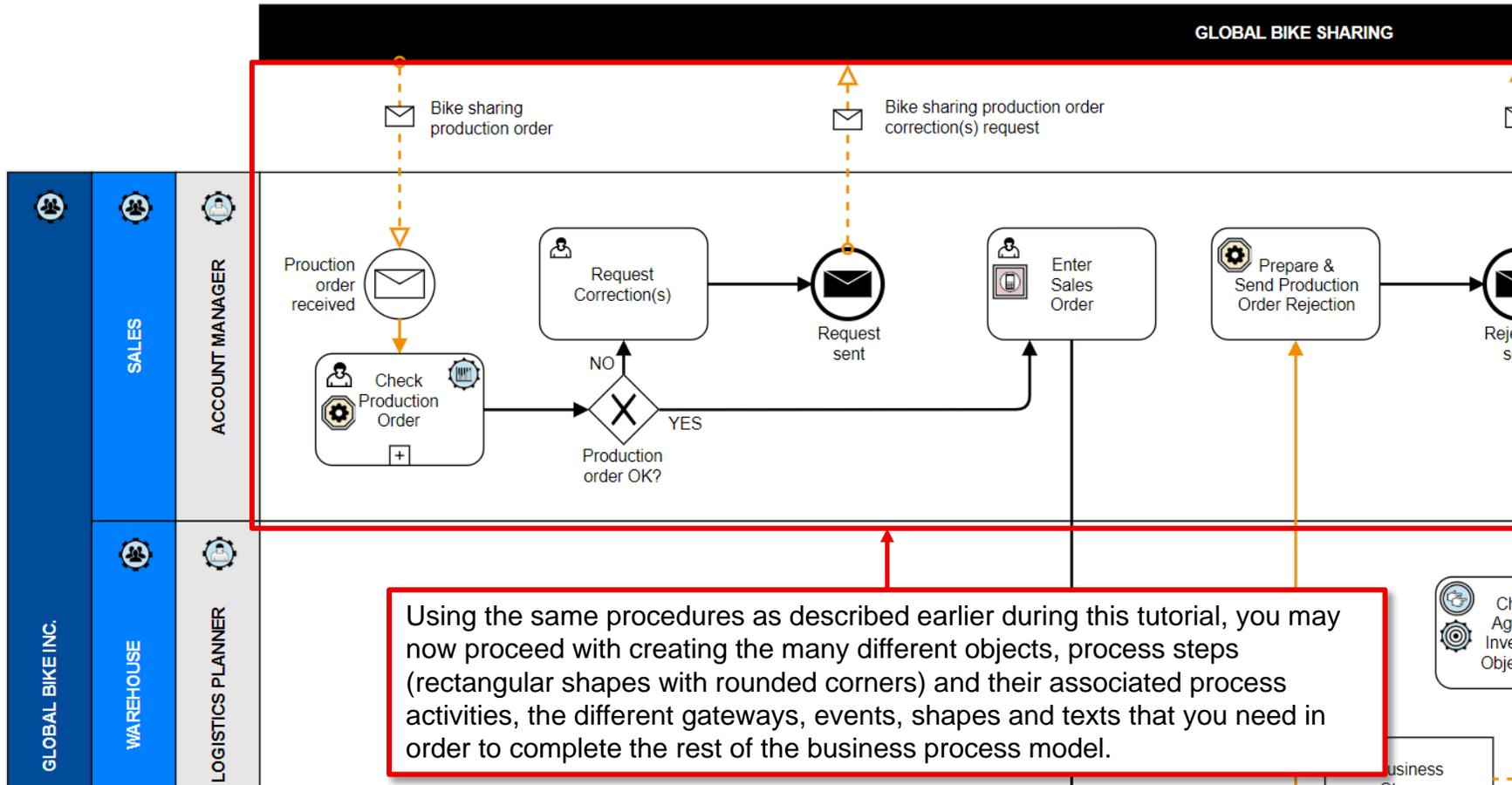
BPMN Gateways

BPMN Events

Entity Relation

Flowchart

Clipart



Diagram

View

- Grid
- Guides
- Page View
- Background

Options

- Connection arrows
- Connection points

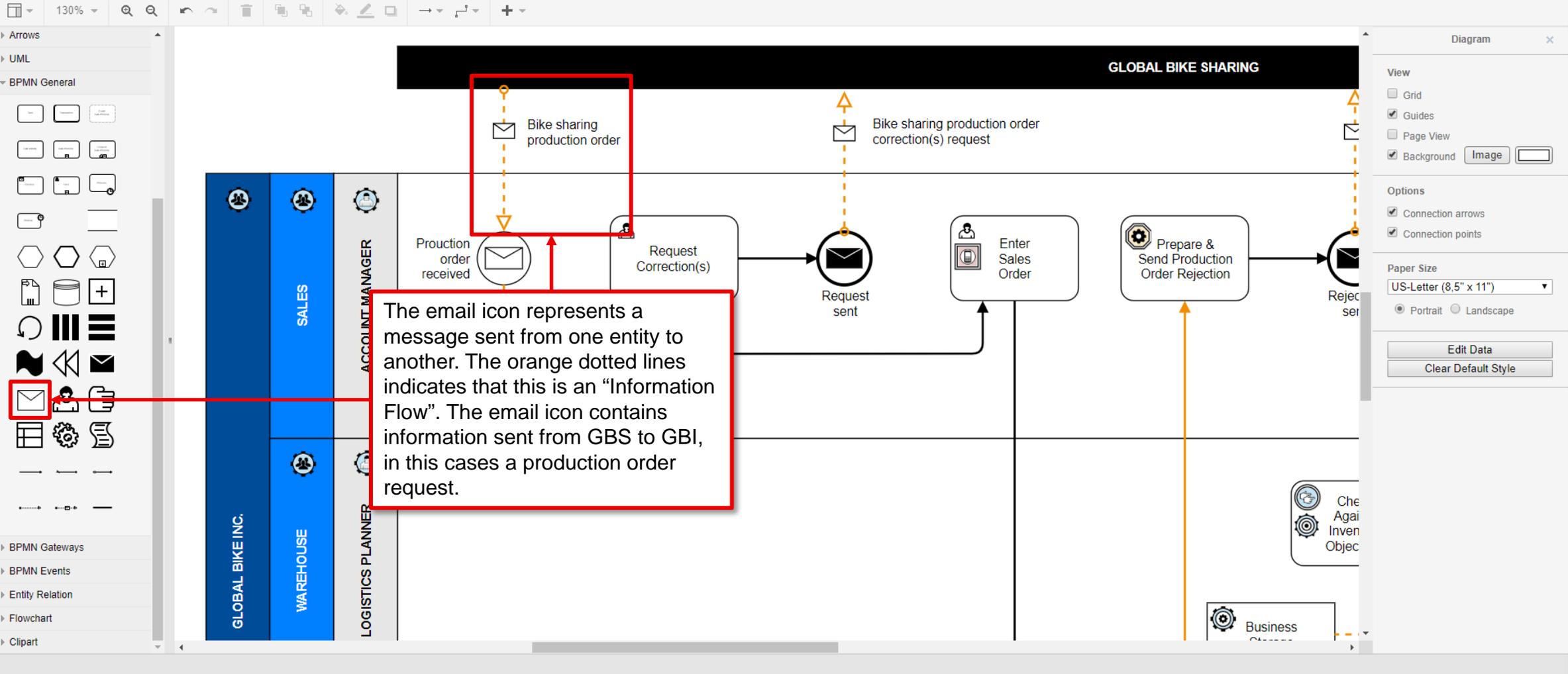
Paper Size

US-Letter (8.5" x 11")

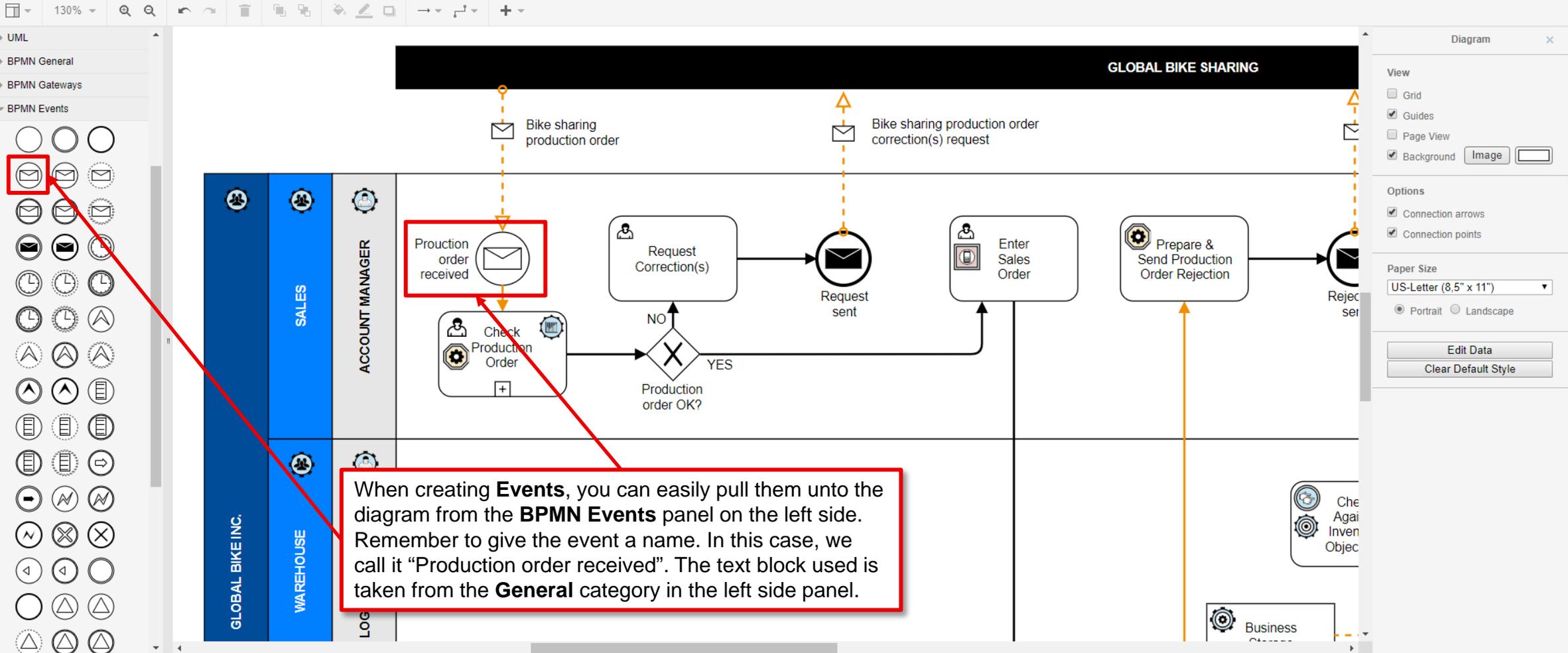
Portrait Landscape

Using the same procedures as described earlier during this tutorial, you may now proceed with creating the many different objects, process steps (rectangular shapes with rounded corners) and their associated process activities, the different gateways, events, shapes and texts that you need in order to complete the rest of the business process model.

Adding Information Flows and Messages

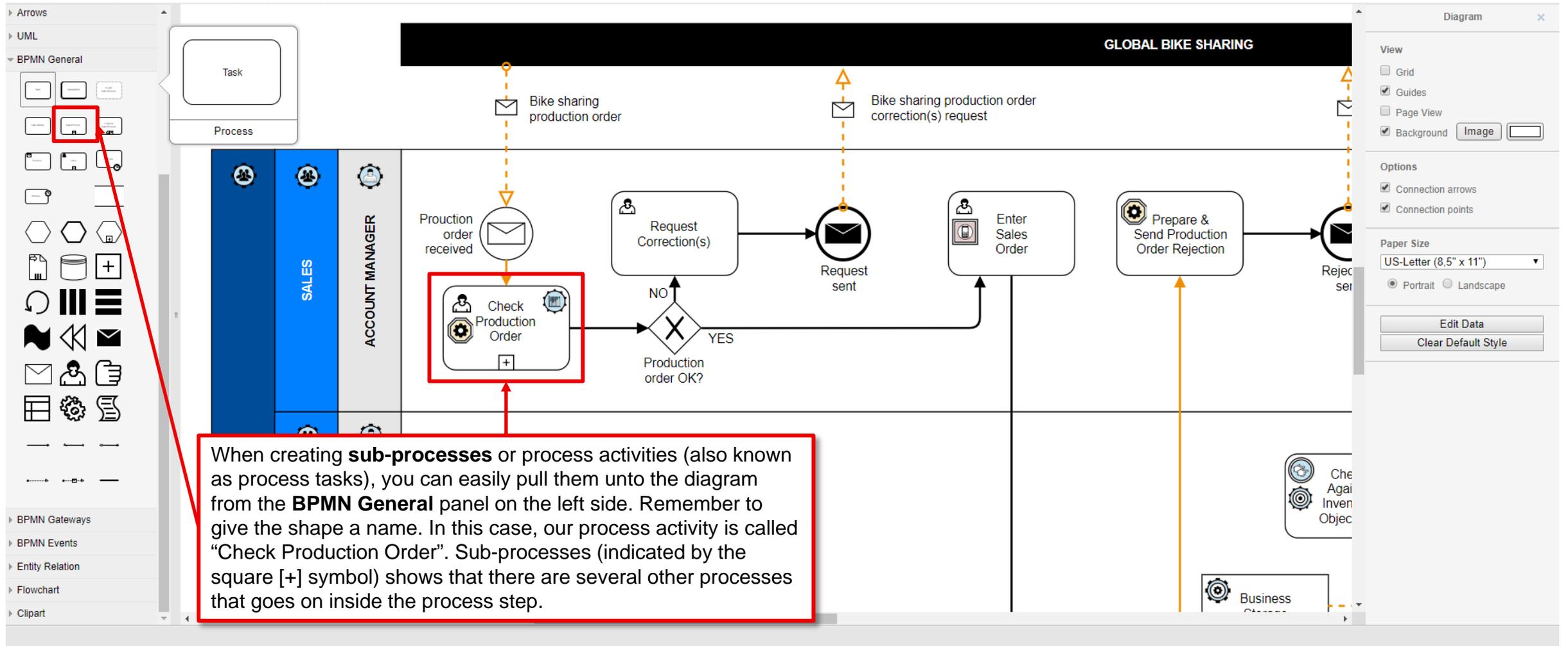


Adding Events



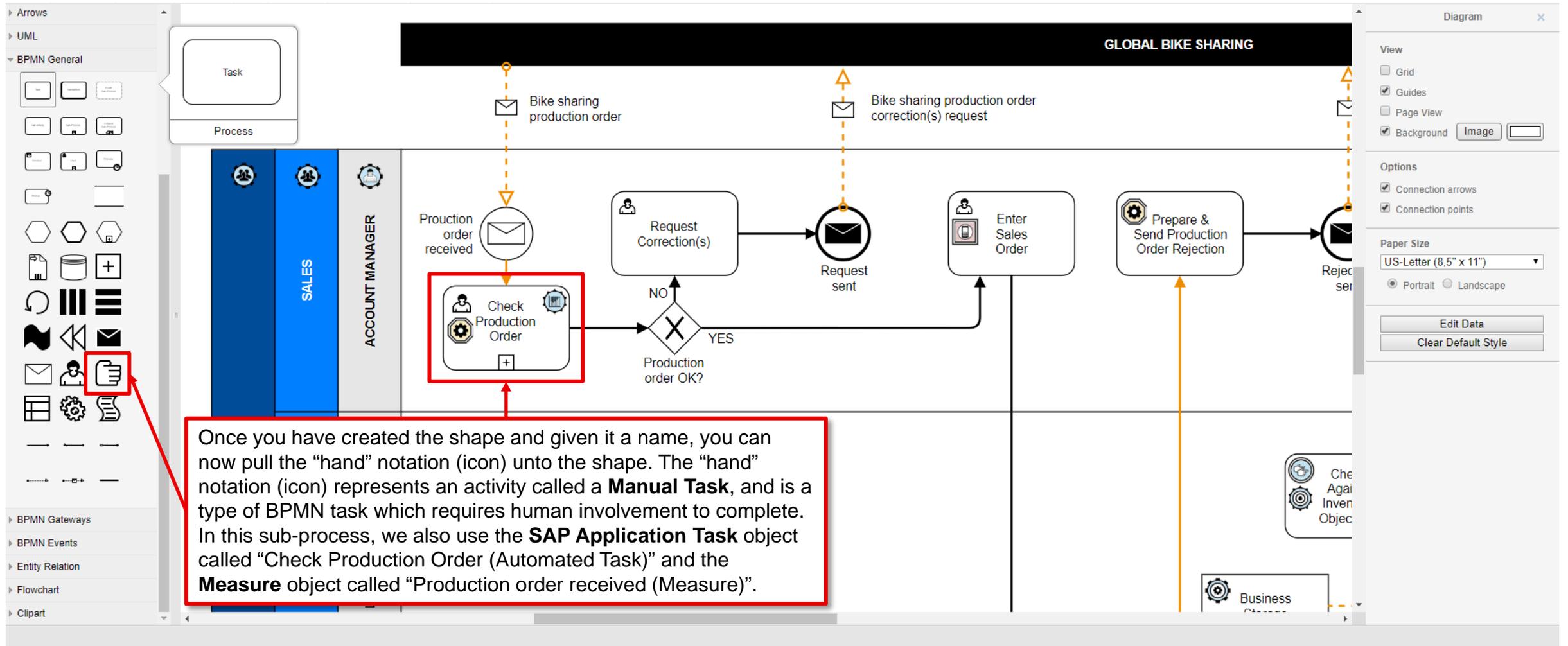
When creating **Events**, you can easily pull them unto the diagram from the **BPMN Events** panel on the left side. Remember to give the event a name. In this case, we call it "Production order received". The text block used is taken from the **General** category in the left side panel.

Adding Sub-processes



When creating **sub-processes** or process activities (also known as process tasks), you can easily pull them unto the diagram from the **BPMN General** panel on the left side. Remember to give the shape a name. In this case, our process activity is called "Check Production Order". Sub-processes (indicated by the square [+] symbol) shows that there are several other processes that goes on inside the process step.

Adding Tasks and Objects to your Process Steps



Once you have created the shape and given it a name, you can now pull the “hand” notation (icon) onto the shape. The “hand” notation (icon) represents an activity called a **Manual Task**, and is a type of BPMN task which requires human involvement to complete. In this sub-process, we also use the **SAP Application Task** object called “Check Production Order (Automated Task)” and the **Measure** object called “Production order received (Measure)”.

Adding Sequence Flows

Model* E+ GBI Production & GBS Retailer Case

Session expiring after: 6:20:04

Renew

File Edit View Arrange Extras



Arrows

UML

BPMN General



BPMN Gateways

BPMN Events

Entity Relation

Flowchart

Clipart

ACCOUNT MANAGER

NER

Production order received

Check Production Order

Request Correction(s)

Request sent

Production

ES O

Sequence Flows are arrows that shows a direction from one activity, gateway or event to another activity, gateway or event. They are simply arrows that connect elements to each other. They are pulled from the **BPMN General** category in the left side panel. You use the ends of these lines (left-click and hold down the mouse key) to drag and attach the ends of the lines unto any of the green dots (connection points) of another element (see next slide).

Style Text Arrange

Line Rounded 2 pt

Line End 0 pt 6 pt

Line Start 0 pt 6 pt

Spacing Size

Opacity 100 %

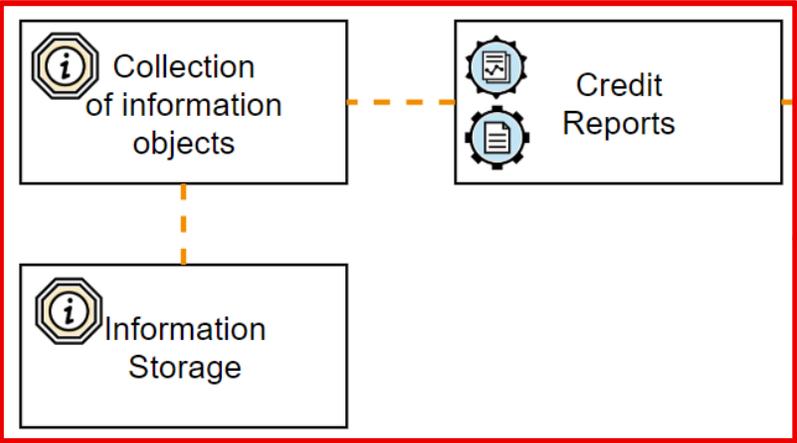
Shadow Comic

Edit Style

Set as Default Style

Adding Tasks and Objects to your Sub-processes and associating them with other Object types

- Arrows
- UML
- BPMN General
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
 -
- BPMN Gateways
- BPMN Events
- Entity Relation
- Flowchart
- Clipart



The slightly smaller rectangular shapes (such as these 3 examples) are not process activities themselves. They are attached to the “Check Credit Reports” process activity using “Information Flows” because they provide some kind of information to this activity.

Diagram ×

View

- Grid
- Guides
- Page View
- Background Image

Options

- Connection arrows
- Connection points

Paper Size

US-Letter (8.5" x 11") ▼

Portrait Landscape

Edit Data

Clear Default Style

Tips & Tricks of the Trade!

Get to know and learn some nice-to-know tips and tricks of how to work effectively with the modelling software component.

Tips & Tricks of the Trade!

Model E+ GBI Production & GBS Retailer Case

Session expiring after: 7:38:09

Renew

File Edit View Arrange Extras



Search Shapes

Select Objects

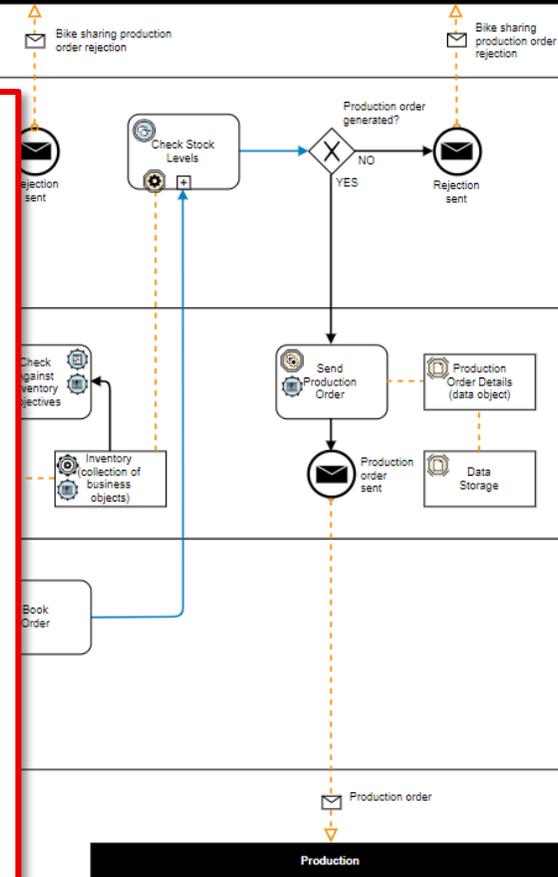
Many basic functions are work the same way as most other general software products.

This includes, but is not limited to functions such as:

- **CTRL+A** = Select all objects on the canvas (that have not been locked).
- **CTRL+S** = Saves the current model using the same name (do this often).
- **CTRL+Shift+L** = Shows the “Layers” window that you can use to place shapes, texts and object elements in different layers (on top or below each other).
- **CTRL+Shift+G** = Show a Grid-based canvas background. Useful for structuring and aligning elements on your canvas.
- **CTRL+G** = Groups elements together. Simply pick the elements you want, and the hit CTRL+G to group the elements together. Makes it easy to drag multiple elements around on the canvas while keeping the design intact.
- **CTRL+L** = Locks/unlocks elements (shapes, texts, objects, etc.) on the canvas. This is very useful for locking elements so that you do not accidentally delete or move them around unintentionally.
- **Arrow Keys** = You can use the arrow keys on your keyboards to move your elements around incrementally by 1 point per keystroke. Hold down the **SHIFT** key while keystroking the arrow keys to move elements incrementally by 10 points at a time. Very useful for precise positioning on the canvas.

All of these highly useful functions are also available from the top main menu.

GLOBAL BIKE SHARING



Diagram

View

- Grid
- Guides
- Page View
- Background

Options

- Connection arrows
- Connection points

Paper Size

US-Letter (8.5" x 11")

- Portrait
- Landscape

Edit Data

Clear Default Style

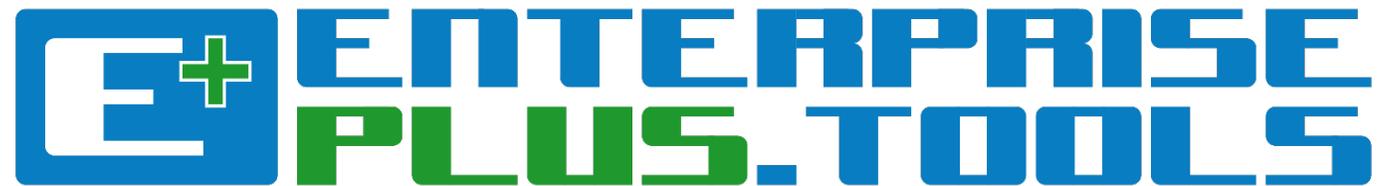
Enjoy your modelling journey!

We hope that you learned something and gained valuable knowledge from this tutorial. Don't be afraid to make mistakes or play around with the many options.

You can always undo and redo! 😊



Thank You



(C) LEADING PRACTICE
We set the Enterprise Standards!



GLOBAL UNIVERSITY ALLIANCE