

The CPW Process Method with the CPW Process Template with Excel applied with the CPW Logical Layer BPMN 2.0.2 and BPMN 2.0.2

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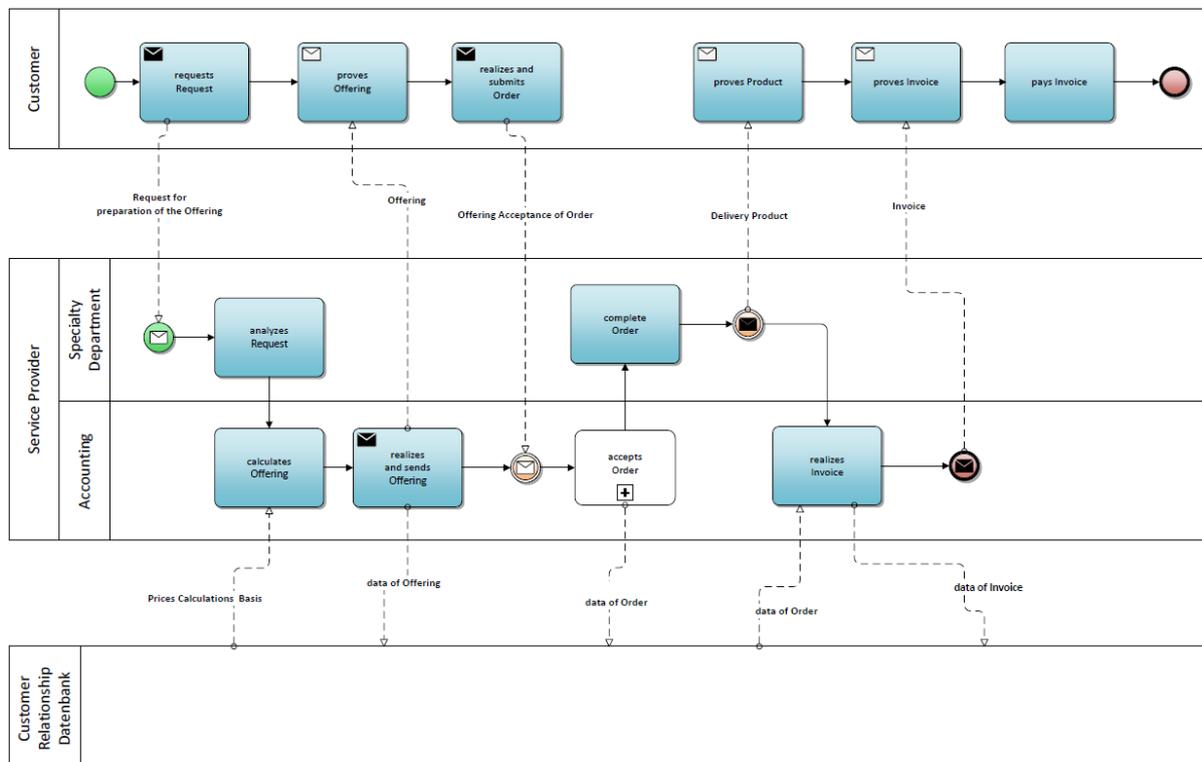
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Example with Customer Ordering Process

In the below BPMN Diagram there is an example of the Customer Ordering Process represented with BPMN 2.0.2:



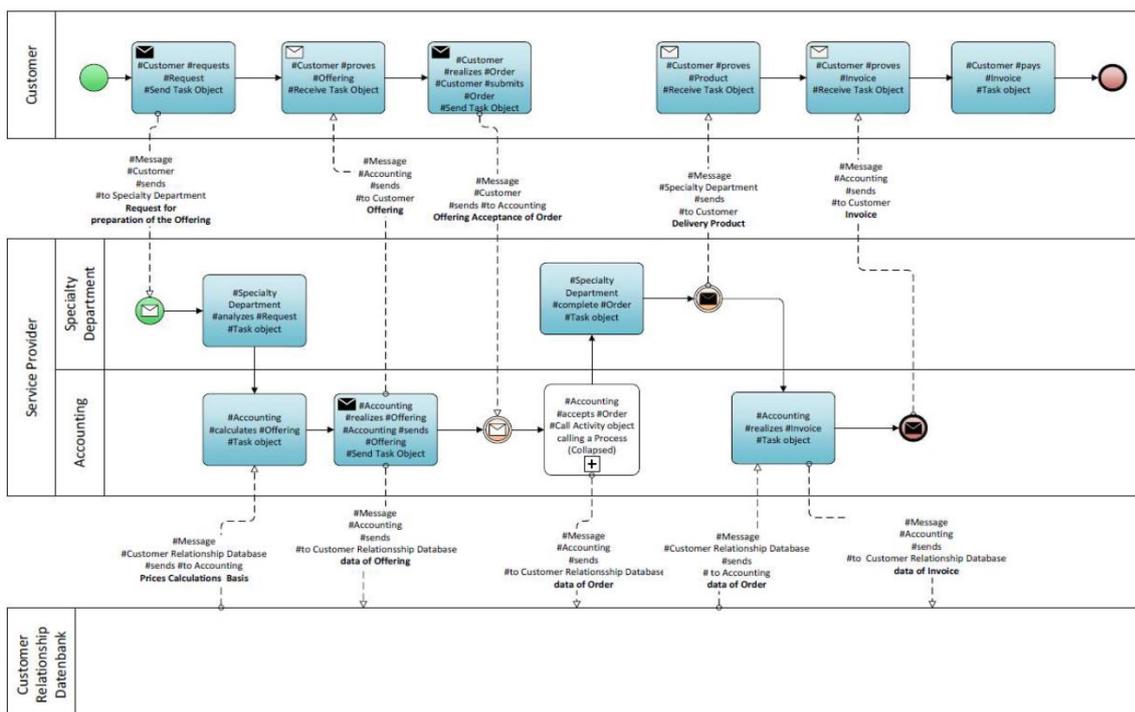
In the below BPMN Diagram there is the example of the Customer Ordering Process represented with BPMN 2.0.2, but with the extensions of the CPW Process Method for each process step of BPMN 2.0.2, where every process step is represented with the CPW Process Method, and where with the CPW Process every CPW Process Step is represented as a simple sentence with a CPW Subject, a CPW Predicate and a CPW Object.

In addition has been extended every process step of the BPMN 2.0.2 with the CPW Logical Layer BPMN 2.0.2, so that can be seen for every process step of the BPMN 2.0.2 the Flow Objects with Events, Activities and Gateways with #Hashtag Notation with the CPW Logical Layer BPMN 2.0.2.

The reader of the process steps of the BPMN 2.0.2 can read the process steps with the represented CPW Process Method, where with the #CPW Process every #CPW Process Step is represented as a simple sentence with a #CPW Subject, a #CPW Predicate and a #CPW Object with #Hashtag Notation.

And in addition the process steps of BPMN 2.0.2 with Flow Objects with Events, Activities and Gateways can be also read with #Hashtag Notation with the CPW Logical Layer BPMN 2.0.2, and not only with the graphical representation of BPMN 2.0.2.

In addition there can be seen in the below BPMN 2.0.2 Diagram, that the #Message Flow has been also represented with the CPW Process, where every #Message is represented with the #CPW Process, and where every #CPW Process Step and every #CPW Dialog Step is represented as a simple sentence with a #CPW Subject, a #CPW Predicate and a #CPW Object with #Notation, so that the #Message Flow is represented as a #CPW Dialog.



In the below example there is the Customer Ordering Process represented with the CPW Process Templates with Excel.

In the first column there are the CPW Process Step Numbers with #STEP No.

In the second column there are the Functions and Responsibilities of the Swimlane.

In the third column there is the CPW Logical Layer XX XY FromTo. If there is no description of a #sequence flow, it is automatically a #sequence flow with the next CPW Process Step as long as it comes a green row within a Swimlane and Lane of a Pool.

In the third column with the CPW Logical Layer XX XY FromTo are also described the incoming and outgoing #Messages Flows with Messages as a #CPW Process and #CPW Dialog.

In case there is with the CPW Process Step an incoming or outgoing jump with a #Sequence Flow, it can be described as #sequence flow with #sequence #From #STEP X #To #STEP Y.

In the fourth column is described the #CPW Process and the #CPW Process Steps with #Notation.

In the fifth column is described the CPW Subject with Responsibility of the CPW Process Step.

In the sixth column is described the CPW Predicate of the CPW Process Step.

In the seventh column is described the CPW Object of the CPW Process Step.

In the eighth column is described the CPW Logical Layer BPMN 2.0, where the CPW Process Steps can be assigned to a #Private non-executable Business Process or to a #Public Processes #Process for example.

In the ninth column and last column is the CPW Logical Layer BPMN 2.0, where are described and represented the Flow Objects of the BPMN 2.0.2 with Events, Activities, and Gateways with #Notation with the CPW Logical Layer BPMN 2.0, which can be assigned to the #CPW Process and #CPW Process Steps.

In the below example of the Customer Ordering Process are described from #STEP 001 to #STEP 005 the following #CPW Process Steps:

#STEP 001 #Customer

#STEP 002 #Customer #requests #Request

#STEP 003 #Customer #proves #Offering

#STEP 005 #Customer #realizes #Order

#STEP 005 #Customer #submits #Order

The Interaction with the #Message Flow with Messages is described in the third column with the CPW Logical Layer XX XY FromTo.

#STEP No	SWIMLANE	CPW Logical Layer XX XY FromTo	CPW Process Level III #PROCESS STEP #CPW Subject - PROCESS STEP RESPONSIBILITY #CPW Subject - PROCESS STEP RESPONSIBILITY NAME #CPW Predicate #CPW Object	#CPW Subject Level III PROCESS STEP RESPONSIBILITY	#CPW Predicate Level III PREDICATE OR RELATIONSHIP	#CPW Object Level III PROCESS RESULT	CPW Logical Layer BPMN 2.0 List BPMN 2.0.2 - Chapter 7.2 BPMN Scope of BPMN BPMN 2.0.2 - Chapter 7.2.1 Uses of BPMN [23]	CPW Logical Layer BPMN 2.0 List BPMN 2.0.2 - Chapter 7.3.2 Extended BPMN Modeling Elements [2] BPMN 2.0.2 - Table 7.2 - BPMN Extended Modeling Elements
#STEP 001	Customer		#Customer	Customer			#Private non-executable	#Start #None
#STEP 002	Customer	#Message Flow #From #STEP 002 #To #STEP 010 #Message #Customer #sends #to Specialty Department Request for preparation of the Offering	#Customer #requests #Request	Customer	requests	Request	#Private non-executable	#Send Task Object
#STEP 003	Customer	#Message Flow #From #STEP 016 #To #STEP 003 #Message #Accounting #sends #to Customer Offering	#Customer #proves #Offering	Customer	proves	Offering	#Private non-executable	#Receive Task Object
#STEP 004	Customer		#Customer #realizes #Order	Customer	realizes	Order	#Private non-executable	#Send Task Object
#STEP 005	Customer	#Message Flow #From #STEP 005 #To #STEP 017 #Message #Customer #sends #to Accounting Offering Acceptance of Order	#Customer #submits #Order	Customer	submits	Order	#Private non-executable	#Send Task Object

In the below example of the Customer Ordering Process are described from #STEP 006 to #STEP 009 the following #CPW Process Steps:

#STEP 006 #Customer #proves #Product

#STEP 007 #Customer #proves #Invoice

#STEP 008 #Customer #pays #Invoice

#STEP 009 #Customer

The Interaction with the #Message Flow with Messages is described in the third column with the CPW Logical Layer XX XY FromTo.

#STEP 006	Customer	#Message Flow #From #STEP 013 #To #STEP 006 #Message #Specialty Department #sends #to Customer Delivery Product	#Customer #proves #Product	Customer	proves	Product	#Private non-executable	#Receive Task Object
#STEP 007	Customer	#Message Flow #From #STEP 020 #To #STEP 007 #Message #Accounting #sends #to Customer Invoice	#Customer #proves #Invoice	Customer	proves	Invoice	#Private non-executable	#Receive Task Object
#STEP 008	Customer		#Customer #pays #Invoice	Customer	pays	Invoice	#Private non-executable	#Task object
#STEP 009	Customer		#Customer	Customer			#Private non-executable	#End #None

In the below example of the Customer Ordering Process are described from #STEP 010 to #STEP 011 the following #CPW Process Steps:

#STEP 010 #Specialty Department

#STEP 011 #Specialty Department #analyzes #Request

The Interaction with the #Message Flow with Messages is described in the third column with the CPW Logical Layer XX XY FromTo.

With the #STEP 011 jumps the #sequence flow from #Specialty Department to #Accounting.

#STEP 010	Service Provider	#Message Flow #From #STEP 002 #To #STEP 010 #Message #Customer #sends #to Specialty Department Request for preparation of the Offering	#Specialty Department	Specialty Department			#Private non-executable	#Start #Message
#STEP 011	Service Provider	#sequence flow #From #STEP 011 #To #STEP 014	#Specialty Department #analyzes #Request	Specialty Department	analyzes	Request	#Private non-executable	#Task object

In the below example of the Customer Ordering Process are described from #STEP 014 to #STEP 018 the following #CPW Process Steps:

#STEP 014 #Accounting #calculates #Offering

#STEP 015 #Accounting #realizes #Offering

#STEP 016 #Accounting #sends #Offering

#STEP 017 #Accounting

#STEP 018 #Accounting #accepts #Order

With the #STEP 014 comes the #sequence flow from the #Specialty Department to #Accounting.

The Interaction with the #Message Flow with Messages is described in the third column with the CPW Logical Layer XX XY FromTo.

With the #STEP 018 jumps the #sequence flow from the #Accounting back to #Specialty Department.

#STEP 014	Service Provider	#sequence flow #From #STEP 011 #To #STEP 014 #Message Flow #From #STEP 021 #To #STEP 014 #Message #Customer Relationship Database #sends #to Accounting Prices Calculations Basis	#Accounting #calculates #Offering	Accounting	calculates	Offering	#Private non-executable	#Task object
#STEP 015	Service Provider		#Accounting #realizes #Offering	Accounting	realizes	Offering	#Private non-executable	#Send Task Object
#STEP 016	Service Provider	#Message Flow #From #STEP 016 #To #STEP 003 #Message #Accounting #sends #to Customer Offering #Message Flow #From #STEP 016 #To #STEP 022 #Message #Accounting #sends #to Customer Relationship Database data of Offering	#Accounting #sends #Offering	Accounting	sends	Offering	#Private non-executable	#Send Task Object
#STEP 017	Service Provider	#Message Flow #From #STEP 005 #To #STEP 017 #Message #Customer #sends #to Accounting #Offering Acceptance of Order	#Accounting	Accounting			#Private non-executable	#Intermediate #Message #Catch
#STEP 018	Service Provider	#sequence flow #From #STEP 018 #To #STEP 012 #Message Flow #From #STEP 018 #To #STEP 023 #Message #Accounting #sends #to Customer Relationship Database data of Order	#Accounting #accepts #Order	Accounting	accepts	Order	#Private non-executable	#Call Activity object calling a Process (Collapsed)

In the below example of the Customer Ordering Process are described from #STEP 012 to #STEP 013 the following #CPW Process Steps:

#STEP 012 #Specialty Department #complete #Order

#STEP 013 #Specialty Department

With the #STEP 012 comes the #sequence flow from #Accounting to #Specialty Department.

The Interaction with the #Message Flow with Messages is described in the third column with the CPW Logical Layer XX XY FromTo.

With the #STEP 013 jumps the #sequence flow from #Specialty Department to #Accounting.

#STEP 012	Service Provider	#sequence flow #From #STEP 018 #To #STEP 012	#Specialty Department #complete #Order	Specialty Department	complete	Order	#Private non-executable	#Task object
#STEP 013	Service Provider	#sequence flow #From #STEP 013 #To #STEP 019 #Message Flow #From #STEP 013 #To #STEP 006 #Message#Specialty Department #sends #to Customer Delivery Product	#Specialty Department	Specialty Department			#Private non-executable	#Intermediate #Message #Throw

In the below example of the Customer Ordering Process are described from #STEP 019 to #STEP 020 the following #CPW Process Steps:

#STEP 019 #Accounting #realizes #Invoice

#STEP 020 #Accounting

With the #STEP 019 comes the #sequence flow from #Specialty Department to #Accounting.

The Interaction with the #Message Flow with Messages is described in the third column with the CPW Logical Layer XX XY FromTo.

#STEP 019	Service Provider	#sequence flow #From #STEP 013 #To #STEP 019 #Message Flow #From #STEP 024 #To #STEP 019 #Message #Customer Relationship Database #sends # to Accounting data of Order #Message Flow #From #STEP 019 #To #STEP 025 #Message #Accounting #sends #to Customer Relationship Database data of Invoice	#Accounting #realizes #Invoice	Accounting	realizes	Invoice	#Private non-executable	#Task object
#STEP 020	Service Provider	#Message Flow #From #STEP 020 #To #STEP 007 #Message #Accounting #sends #to Customer Invoice	#Accounting	Accounting			#Private non-executable	#End #Message

In the below example of the Customer Ordering Process are described from #STEP 021 to #STEP 025 the following #CPW Process Steps with #Messages Flows with #Messages between #Accounting and #Customer Relationship Datenbank.

#STEP 021 #Customer Relationship Datenbank #sends #Prices Calculations Basis to Accounting.

#STEP 022 #Customer Relationship Datenbank #receives #Data of Offering from Accounting

#STEP 023 #Customer Relationship Datenbank #receives #Data of Order from Accounting

#STEP 024 #Customer Relationship Datenbank #sends #to Accounting Data of Order

#STEP 025 #Customer Relationship Datenbank #receives #Data of Invoice from Accounting

The Interaction with the #Message Flow with Messages is described in the third column with the CPW Logical Layer XX XY FromTo.

#STEP 021	Customer Relationship Datenbank	#Message Flow #From #STEP 021 #To #STEP 014 #Message #Customer Relationship Database #sends #to Accounting Prices Calculations Basis	#Customer Relationship Datenbank #sends #Prices Calculations Basis to Accounting	Customer Relationship Datenbank	sends	Prices Calculations Basis to Accounting	#Public Processes #Process	#Message Flow
#STEP 022	Customer Relationship Datenbank	#Message Flow #From #STEP 016 #To #STEP 022 #Message #Accounting #sends #to Customer Relationship Database data of Offering	#Customer Relationship Datenbank #receives #Data of Offering from Accounting	Customer Relationship Datenbank	receives	Data of Offering from Accounting	#Public Processes #Process	#Message Flow
#STEP 023	Customer Relationship Datenbank	#Message Flow #From #STEP 018 #To #STEP 023 #Message #Accounting #sends #to Customer Relationship Database data of Order	#Customer Relationship Datenbank #receives #Data of Order	Customer Relationship Datenbank	receives	Data of Order from Accounting	#Public Processes #Process	#Message Flow
#STEP 024	Customer Relationship Datenbank	#Message Flow #From #STEP 024 #To #STEP 019 #Message #Customer Relationship Database #sends #to Accounting data of Order	#Customer Relationship Datenbank #sends #Data of Order	Customer Relationship Datenbank	sends	to Accounting Data of Order	#Public Processes #Process	#Message Flow
#STEP 025	Customer Relationship Datenbank	#Message Flow #From #STEP 019 #To #STEP 025 #Message #Accounting #sends #to Customer Relationship Database data of Invoice	#Customer Relationship Datenbank #receives #Data of Invoice	Customer Relationship Datenbank	receives	Data of Invoice from Accounting	#Public Processes #Process	#Message Flow

Conclusion

With the example of the Customer Ordering Process, which is represented with BPMN 2.0.2 has been showed, how the representation of the graphical representation of the BPMN 2.0.2 can be extended with the CPW Process Method, where every process step of the BPMN 2.0.2 is represented with the #CPW Process, where every #CPW Process Step is represented as a simple sentence with a #CPW Subject, a #CPW Predicate and a #CPW Object, and where the #CPW Process and the #CPW Process Steps are represented with #Notation of each process step of the BPMN 2.0.2.

In addition has been applied to each process step of the BPMN 2.0.2 the CPW Logical Layer BPMN 2.0, where each process step of the BPMN 2.0.2 has been represented with the CPW Logical Layer BPMN 2.0 with #Notation, so that the reader of the process steps of BPMN 2.0.2 can read the process steps not only with graphical representation of BPMN 2.0.2 but also with the CPW Logical Layer BPMN 2.0 with #Notation.

In addition has been shown, how the example of the Customer Ordering Process has been represented with the CPW Process Templates with Excel.

With the CPW Process Templates with Excel can be represented Business Processes with the CPW Process Method, and wherein each #CPW Process Step is represented as a simple sentence with a #CPW Subject, a #CPW Predicate, and a #CPW Object. In addition can be assigned to each #CPW Process Step of the #CPW Process the CPW Logical Layer BPMN 2.0, so that for every #CPW Process Step can be assigned the Flow Objects with Events, Activities and Gateways with the CPW Logical Layer BPMN 2.0 with #Notation.

With the CPW Process Templates with Excel can be modeled and realized End to End Business Processes with Products and Services with the CPW Process Method in Tabular Format in an efficient, clear and fast way, so that Business Process Design, Business Process Improvement, Business Process Transformation and furthermore also Digitalization and Digital Transformation with Products and Services can be realized in an excellent way.

References

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