

Customer

fieldName	fieldType	fieldUnit	fieldDescription
CustomerID	2	1	C2NET unique identifier (autonumeric)
Code	1	1	Company unique identifier
Description	1	1	Company description
AvailabilityMaximumAmount	3	25	Maximum storage capacity in m3 for the customer
DeliveryOntime	3	27	Customer Service, e.g. 95%
DeliveryPriority	3	1	Delivery priority associated to the customer
Location	1	1	Location of the customer (e.g. postal address)
Type	1	1	Types of customers, e.g. Potential customer, current customer, final customer

Container

fieldName	fieldType	fieldUnit	fieldDescription
ContainerID	2	1	C2NET unique identifier (autonumeric)
Code	1	1	Company unique identifier
Description	1	1	Company description
Amount	2	1	Number of containers
CapacityAmount	3	25	Volume capacity of the container
Type	1	1	Pallet, Box, ...

Customer_Order

fieldName	fieldType	fieldUnit	fieldDescription
CustomerID	2	1	C2NET unique identifier (autonumeric)
OrderID	2	1	C2NET unique identifier (autonumeric)
CustomerSatisfaction	3	1	Satisfaction of the customer regarding the order
UrgentOrder	4	1	1 when the order of the customer is urgent, otherwise 0

Supplier_Order

fieldName	fieldType	fieldUnit	fieldDescription
OrderID	2	1	C2NET unique identifier (autonumeric)
SupplierID	2	1	C2NET unique identifier (autonumeric)
SupplierSatisfaction	3	1	Satisfaction of a company regarding the supplier
UrgentOrder	4	1	1 when the order of the supplier is urgent, otherwise 0

Customer_Part

fieldName	fieldType	fieldUnit	fieldDescription
CustomerID	2	1	C2NET unique identifier (autonumeric)
PartID	2	1	C2NET unique identifier (autonumeric)
AvailabilityAmount	2	1	Current Inventory of a part in the customer
AvailabilityCost	3	18	Inventory cost of the part at the customer per period
AvailabilityMaximumAmount	2	1	Maximum Inventory of the part of the customer
AvailabilityMinimumAmount	2	1	Minimum Inventory of the part of the customer. Amount of the parts below the minimum stock defined in the customer
AvailabilityMinimumCost	3	18	Cost per part of having the inventory below the AvailabilityMinimumAmount, in the customer
AvailabilitySafetyAmount	2	1	Safety stock of the part of the customer (Should be higher than the AvailabilityMinimumAmount)
AverageDailyAmountSellout	2	1	Average amount of the part sellout to the customer
DelayAmount	3	1	Amount of a part delayed to the customer
DelayCost	3	18	Cost of delaying the demand of the part to the customer (including all the parts that compose the order)
DeliverOvertime	3	26	Customer Service, e.g. 95%
DeliveryBatchAmount	2	1	Lotsize amount of the part required to deliver to the customer
DeliveryMinimumAmount	2	1	Minimum amount of parts required for the deliver, of the customer
AverageLeadTime	5	1	Average lead time to deliver the part from the manufacturer to its customer
SalePrice	3	18	Price to sell the part to the customer
NonAvailabilityAmount	2	1	Amount of non available parts (i.e. to have negative units of the part available)
NonAvailabilityCost	3	18	Cost of non availability of the part (i.e. to have negative units of the part available)

Customer_Site

fieldName	fieldType	fieldUnit	fieldDescription
CustomerID	2	1	C2NET unique identifier (autonumeric)
SiteID	2	1	C2NET unique identifier (autonumeric)

Customer_TimeFrame

fieldName	fieldType	fieldUnit	fieldDescription
CustomerID	2	1	C2NET unique identifier (autonumeric)
TimeFrameID	2	1	C2NET unique identifier (autonumeric)

Labour

fieldName	fieldType	fieldUnit	fieldDescription
LabourID	2	1	C2NET unique identifier (autonumeric)
Code	1	1	Company unique identifier
Description	1	1	Company description
Amount	2	1	Current amount of labour
ExtraOperationCost	3	19	Extra labour cost (per hour)
ExtraOperationTime	3	27	Extra labour capacity per period (day)
FiringCost	3	18	Cost of firing the labour type
HiringCost	3	18	Cost of hiring the labour type
IdleCost	3	19	Cost of labour for idle time (per hour)
MaximumAmount	2	1	Maximum amount of labour allowed
MinimumAmount	2	1	Minimum amount of labour required
NormalOperationCost	3	19	Normal labour cost per period (day)
NormalOperationTime	3	27	Normal labour capacity per period (day)
Type	1	1	Type of labour

Machine

fieldName	fieldType	fieldUnit	fieldDescription
MachineID	2	1	C2NET unique identifier (autonumeric)
Code	1	1	Company unique identifier
Description	1	1	Company description
Amount	2	1	Number of machines, Number of production lines
ExtraOperationCost	3	19	Extra machine cost (per hour)
ExtraOperationTime	3	27	Machine availability time (extra) per period (day)
IdleCost	3	19	Cost of machine for idle time (per hour)
NormalOperationTime	3	27	Machine availability time (normal) per period (day)
NormalOperationCost	3	19	Cost of machine for operation time
SetupCost	3	19	Cost of preparing a machine
SetupMaximumAmount	2	1	Number of setups allowed per period (day)
SetupTime	3	27	Amount of time required for preparing a machine
PurchaseCost	3	18	Cost of a buying a machine
PaybackTime	3	27	Amount of time required payback the investment
AverageOperationTime	3	27	Average production time per day
AverageIdleTime	3	27	Average idle time per day
AverageBreackdownTime	3	27	Average breackdown time per day

Machine_Container

fieldName	fieldType	fieldUnit	fieldDescription
MachineID	2	1	C2NET unique identifier (autonumeric)
ContainerID	2	1	C2NET unique identifier (autonumeric)
Amount	2	1	Number of containers required to start the operation in the machine
PreparationCost	3	18	Required when the Machine is a picking Machine. Time and cost are proportional to the container type (pallet, box, pack, unitarypart).
PreparationTime	3	27	Required when the Machine is a picking Machine. Time and cost are proportional to the container type (pallet, box, pack, unitarypart).

Machine_Labour

fieldName	fieldType	fieldUnit	fieldDescription
MachineID	2	1	C2NET unique identifier (autonumeric)
LabourID	2	1	C2NET unique identifier (autonumeric)
SetupLabourAmount	3	1	Number of labour required to setup the machine
UseRatio	3	1	Number of labour required to run the machine

Machine_Period

fieldName	fieldType	fieldUnit	fieldDescription
MachineID	2	1	C2NET unique identifier (autonumeric)
PeriodID	2	1	C2NET unique identifier (autonumeric)
ExtraOperationTime	3	27	Extra time (overtime) of the machine available in the period
ExtraOperationCost	3	19	Extra cost (overtime) of the machine in the period
NormalOperationCost	3	19	Cost of operation of the machine in the period
NormalOperationTime	3	27	Availability time of the machine in the period
SetupMaximumAmount	2	1	Amount of setups allowed, in the machine, considering the period

Labour_Period

fieldName	fieldType	fieldUnit	fieldDescription
LabourID	2	1	C2NET unique identifier (autonumeric)
PeriodID	2	1	C2NET unique identifier (autonumeric)
ExtraOperationTime	8	27	Extra time (overtime) of a labour available in the period
ExtraOperationCost	3	19	Extra cost (overtime) of a labour in the period
NormalOperationCost	3	19	Cost of operation of the labour in the the eriod
NormalOperationTime	8	27	Availability time of the labour in the period
Amount	2	1	Amount of labour available in the period

Machine_Site

fieldName	fieldType	fieldUnit	fieldDescription
MachineID	2	1	C2NET unique identifier (autonumeric)
SiteID	2	1	C2NET unique identifier (autonumeric)
Location	9	1	Coordinates: Site XYZ. Location of the machine within the site

Machine_Tool

fieldName	fieldType	fieldUnit	fieldDescription
MachineID	2	1	C2NET unique identifier (autonumeric)
ToolID	2	1	C2NET unique identifier (autonumeric)
SetupCost	3	18	Cost of putting the tool in the the machine
SetupMaximumAmount	2	1	Number of setups allowed per period (day) of the tool in the machine
SetupTime	3	27	Time needed to put the tool in the machine

Machine_Tool_Period

fieldName	fieldType	fieldUnit	fieldDescription
MachineID	2	1	C2NET unique identifier (autonumeric)
ToolID	2	1	C2NET unique identifier (autonumeric)
PeriodID	2	1	C2NET unique identifier (autonumeric)
SetupCost	3	18	Cost of putting the tool in the machine
SetupMaximumAmount	2	1	Number of setups allowed per period (day) of the tool in the machine
SetupTime	3	27	Time needed to put the tool in the machine

Machine_Tool_Labour

fieldName	fieldType	fieldUnit	fieldDescription
MachineID	2	1	C2NET unique identifier (autonumeric)
ToolID	2	1	C2NET unique identifier (autonumeric)
LabourID	2	1	C2NET unique identifier (autonumeric)
Amount	2	1	Amount of labour to setup a tool in a machine
SetupCost	3	19	Cost of the specific labour to setup the tool in the machine (per hour)
SetupTime	3	27	Time needed for the labour to setup the tool in the machine

Machine_Tool_Tool

fieldName	fieldType	fieldUnit	fieldDescription
MachineID	2	1	C2NET unique identifier (autonumeric)
Tool1ID	2	1	C2NET unique identifier (autonumeric)
Tool2ID	2	1	C2NET unique identifier (autonumeric)
Feasibility	4	1	1 when the Tool2ID can be setup after Tool1ID in the machine, 0 otherwise
SetupCost	3	18	Cost of changing in the machine from Tool1ID to Tool2ID
SetupTime	3	27	Time needed to setup Tool2ID after Tool1ID in the machine

Operation

fieldName	fieldType	fieldUnit	fieldDescription
OperationID	2	1	C2NET unique identifier (autonumeric)
Code	1	1	Company unique identifier
Description	1	1	Company description

Operation_Labour

fieldName	fieldType	fieldUnit	fieldDescription
OperationID	2	1	C2NET unique identifier (autonumeric)
LabourID	2	1	C2NET unique identifier (autonumeric)
Amount	2	1	Amount of the type of labour required to perform the operation
NormalOperationCost	3	18	Cost of the type of labour required to perform the operation
NormalOperationTime	2	27	Time of the type of labour required to perform the operation

Operation_Machine

fieldName	fieldType	fieldUnit	fieldDescription
OperationID	2	1	C2NET unique identifier (autonumeric)
MachineID	2	1	C2NET unique identifier (autonumeric)
NormalOperationCost	3	19	Cost of the machine to perform the operation
NormalOperationTime	2	27	Time of the machine required to perform the operation
SetupCost	3		Cost to setup the machine to perform the operation
SetupTime			Time required to setup the machine to perform the operation

Operation_Operation

fieldName	fieldType	fieldUnit	fieldDescription
OperationID1		2	1 C2NET unique identifier (autonumeric)
OperationID2		2	1 C2NET unique identifier (autonumeric)
Type		4	1 1 = After OperationID1 must start OperationID2 / Before OperationID2 must finish OperationID1 2 = Precedence relationship: OperationID1 should be finalized to start OperationID2 3 = Inmediately after OperationID1 cannot start OperatioID2 4 = After OperatioID1 cannot start OperatioID2

Operation_Part

fieldName	fieldType	fieldUnit	fieldDescription
OperationID	2	1	C2NET unique identifier (autonumeric)
PartID	2	1	C2NET unique identifier (autonumeric)
Amount	3	1	Amount consumed to perform the operation (if I) or generated by the operation (if O)
RelationType	4	1	I = input (part required to perform the operation); O = output (part generated when the operation ends)

Operation_Tool

fieldName	fieldType	fieldUnit	fieldDescription
OperationID	2	1	C2NET unique identifier (autonumeric)
ToolID	2	1	C2NET unique identifier (autonumeric)
NormalOperationCost	3	19	Cost of the tool to perform the operation
NormalOperationTime	2	27	Time of the tool required to perform the operation
SetupCost	3	18	Cost of preparing the tool to perform the operation
SetupTime	2	4	Time required to prepare the tool to perform the operation

Order

fieldName	fieldType	fieldUnit	fieldDescription
OrderID	2	1	C2NET unique identifier (autonumeric)
Code	1	1	Company unique identifier
Description	1	1	Company description
DelayCost	3	18	Cost of delaying the demand of the order (including all the parts that compose the order)
DeliveryDate	5	1	Date in which the order has been delivered
OrderDate	5	1	Date in which the order has arrived
RequirementDate	5	1	Date in which the order has to be satisfied
Status	1	1	InTransit, open, closed
DeliveryEarlyDate	5	1	Early date of deliver the part in the order
DeliveryLateDate	5	1	Late date of deliver the part in the order
DeliveryLocation	1	1	Location for the delivery of the part in the order (not necessarily the customer location)
ExpectedDeliveryDate	3	5	Date that the part of the order is expected to be delivered
UrgentOrder	4	1	1 when a order is urgent, otherwise 0

Order_Part

fieldName	fieldType	fieldUnit	fieldDescription
OrderID	2	1	C2NET unique identifier (autonumeric)
PartID	2	1	C2NET unique identifier (autonumeric)
OrderAmount	2	1	Amount of the part ordered, by the customer/ or to the supplier, in the Order
DeliveryAmount	2	1	Amount of the part delivered, to the customer/ by the supplier, in the Order
DelayAmount	3	1	Amount of the part, of the order, delayed (after the DeliveryDate)
DeliveryDate	5	1	Date in which the order has been delivered
RequirementDate	5	1	Date in which the order has to be satisfied
DeliveryEarlyDate	5	1	Early date of deliver the part in the order
DeliveryLateDate	5	1	Late date of deliver the part in the order
DeliveryLocation	1	1	Location for the delivery of the part in the order (not necessarily the customer location)
ExpectedDeliveryDate	3	5	Date that the part of the order is expected to be delivered
NonConformAmount	3	1	Number of the non-conformity part in the order
OrderCost	3	18	Cost of the parts in the order
OrderDiscount	1	26	Discount of the parts in the order

Order_Site

fieldName	fieldType	fieldUnit	fieldDescription
OrderID	2	1	C2NET unique identifier (autonumeric)
SiteID	2	1	C2NET unique identifier (autonumeric)

Order_Part_Site

fieldName	fieldType	fieldUnit	fieldDescription
OrderID	2	1	C2NET unique identifier (autonumeric)
PartID	2	1	C2NET unique identifier (autonumeric)
SiteID	2	1	C2NET unique identifier (autonumeric)

Part

fieldName	fieldType	fieldUnit	fieldDescription
PartID	2	1	C2NET unique identifier (autonumeric)
Code	1	1	Company unique identifier
Description	1	1	Company description
AreaConsumptionAmount	3	24	The amount of area (m2) one part will require
AvailabilityAmount	3	1	Current amount of parts available in the inventory
AvailabilityCost	3	18	Inventory cost per unit of the part
AvailabilityInTransitAmount	1	1	In transit inventory for customer (or from supplier)
AvailabilityMaximumAmount	1	1	Maximum inventory of parts allowed
AvailabilityMinimumAmountTime	2	27	Minimum inventory allowed (in coverage time), e.g. safety stock
AvailabilityMinimumCost	3	18	Cost per part to have inventory below the AvailabilityMinimumAmount
AvailabilityMinimumAmount	3	1	Minimum inventory of parts, e.g. safety stock
BatchAmount	2	1	Lotsize Amount of parts taken together
DelayAmount	3	1	Amount of the part delayed
DelayCost	3	18	Cost of delaying the demand of the part (per unit per period)
Dimensions	1	1	Dimensions of the part LeadTime:Supply time of the component/raw material from the supplier to the manufacturer //
LeadTime	2	27	Delivery time of the part from the manufacturer to its customer
NonAvailabilityAmount	2	1	Amount of non available parts (i.e. to have negative units of the part available)
NonAvailabilityCost	3	18	Cost of non availability of the part (i.e. to have negative units of the part available)
PurchaseCost	3	18	Cost of purchase the part
RequirementAmountFinal	1	1	Demand in the period, corresponding to the one after the last period
SalePrice	3	18	Sales price of the part
Sequence	4	1	1 if the part becomes part of the sequence; 0 otherwise
Type	1	1	"Product", "Component", "Material", ...
VolumeConsumptionAmount	3	25	The amount of volume (m3) one part will require
WasteAmount	2	1	Amount of the part defective that is classified as waste (in the past)
Weight	3	3	Weight of the part
HandlingUnitLength	3	2	Length of the handling unit (part). It is important because implies a truck requirement: platform meters
HandlingUnitRequirement	1	1	Handling Unit (part) Load/Unload Requirements (Bridge Crane, Stacker, Pallet Truck,...)
HandlingUnitType	1	1	Handling Unit (part) type (Pallet, bundle, ...)
HandlingUnitWeight	3	3	Maximum weight per Handling unit (part)

PartGroup

fieldName	fieldType	fieldUnit	fieldDescription
PartGroupID	2	1	C2NET unique identifier (autonumeric)
Code	1	1	Code of the part (Company unique identifier)
Description	1	1	Company description of the part
AreaConsumptionAmount	3	24	The amount of area (m2) one part group will require
AvailabilityAmount	1	1	Amount of parts available in the inventory
AvailabilityAmountTime	3	27	Coverage time of parts available in the inventory, e.g. 3 days of inventory to supply the future demand
AvailabilityCost	3	18	Inventory cost per unit of the part belonging to a group
AvailabilityInitialAmount	1	1	Current amount of parts belonging to a group available in the inventory
AvailabilityInTransitAmount	1	1	In transit inventory of part group for customer (or from supplier)
AvailabilityMaximumAmount	1	1	Maximum inventory of group parts allowed
AvailabilityMinimumAmountTime	3	27	Minimum inventory allowed of part group (in coverage time), e.g. safety stock
AvailabilityMinimumCost	3	18	Cost per part group to have inventory below the AvailabilityMinimumAmount
AvailabilityMinimumAmount	1	1	Minimum inventory of part group, e.g. safety stock
BatchAmount	1	1	Amount of parts taken together for the group
BatchChanges	1	1	Number of batch changes.
DelayAmount	1	1	Amount of the parts belonging to a group delayed
DelayCost	3	18	Cost of delaying the demand of the parts belonging to a group
Description	1	1	Description of the part group LeadTime:Supply time of the component/raw material from the supplier to the manufacturer //
LeadTime	3	27	Delivery time of the part from the manufacturer to its customer
NonAvailabilityAmount	2	1	Amount of non available parts (i.e. to have negative units of the part available)
NonAvailabilityCost	3	18	Non availability cost of part group per unit per period
OutsourcingCost	3	18	Cost of subcontracting the parts belonging to a group
PartGroupCost	3	18	Cost of purchasing materials for the parts belonging to a group
PurchaseCost	3	18	Cost of purchasing parts of the group
SalePrice	3	18	Sales price of parts of a specific group
Type	1	1	"Product", "Component", "Material",
VolumeConsumptionAmount	3	25	The amount of volume (m3) one part group will require

Part_Container

fieldName	fieldType	fieldUnit	fieldDescription
PartID	2	1	C2NET unique identifier (autonumeric)
ContainerID	2	1	C2NET unique identifier (autonumeric)
BatchAmount	2	1	Lotsize amount of parts taken together in the container
CapacityAmount	3	1	Number of parts that can be stored in the container
PartTransfer	2	1	Maximum amount of part transfers between containers

Part_Container_Customer

fieldName	fieldType	fieldUnit	fieldDescription
PartID	2	1	C2NET unique identifier (autonumeric)
ContainerID	2	1	C2NET unique identifier (autonumeric)
CustomerID	2	1	C2NET unique identifier (autonumeric)
BatchAmount	2	1	Lotsize amount of parts taken together in the container of the customer

Part_Container_Supplier

fieldName	fieldType	fieldUnit	fieldDescription
PartID	2	1	C2NET unique identifier (autonumeric)
ContainerID	2	1	C2NET unique identifier (autonumeric)
SupplierID	2	1	C2NET unique identifier (autonumeric)
BatchAmount	2	1	Lotsize amount of parts taken together in the container of the supplier

Part_Container_Machine

fieldName	fieldType	fieldUnit	fieldDescription
PartID	2	1	C2NET unique identifier (autonumeric)
ContainerID	2	1	C2NET unique identifier (autonumeric)
MachineID	2	1	C2NET unique identifier (autonumeric)
BatchAmount	2	1	Lotsize amount of parts taken together in the container to the customer

Part_Customer_Period

fieldName	fieldType	fieldUnit	fieldDescription
PartID	2	1	C2NET unique identifier (autonumeric)
CustomerID	2	1	C2NET unique identifier (autonumeric)
PeriodID	2	1	C2NET unique identifier (autonumeric)
DeliveredAmount	2	1	Number of parts delivered to the customer, in the period (past)
RequirementAmount	2	1	Demand of the part from the customer in the period
RequirementAmountPromised	2	1	Promised amount of the part demanded by the customer in the period
RequirementAmountForecasted	2	1	Forecasted demand of the part from the customer in the period
AvailabilityAmount	2	1	Current amount of parts available in the inventory of the customer, in the period

Part_Machine

fieldName	fieldType	fieldUnit	fieldDescription
PartID	2	1	C2NET unique identifier (autonumeric)
MachineID	2	1	C2NET unique identifier (autonumeric)
CapacityAmount	2	1	Production capacity utilisation rate per unit of product
OperationTime	3	27	Cycle time (Machine). time used to produce one unit of the part in the machine
OperationAmount	2	1	Amount of the part that can be produced/assembled per hour in the machine
PartAttributeSequence	4	1	Production sequence, Possible product sequences on production lines
TaskAllocation	4	1	Allocation of task in a machine
NormalOperationCost	3	18	Cost of manufacturing/assembling the part in the machine

Part_Part

fieldName	fieldType	fieldUnit	fieldDescription
Part1ID	2	1	C2NET unique identifier (autonumeric)
Part2ID	2	1	C2NET unique identifier (autonumeric)
ConsumptionAmount	2	1	Amount of a Part2ID consumed to create one unit of Part1ID

Part_PartGroup

fieldName	fieldType	fieldUnit	fieldDescription
PartID	2	1	C2NET unique identifier (autonumeric)
PartGroupID	2	1	C2NET unique identifier (autonumeric)
AreaConsumptionAmount	3	24	The amount of area (m2) one part belonging to a part group will require
AvailabilityAmount	2	1	Amount of parts belonging to the group available in the inventory
AvailabilityAmountTime	3	27	Coverage time of parts available in the inventory, e.g. 3 days of inventory to supply the future demand
AvailabilityCost	3	18	Inventory cost per unit of the part belonging to a group
AvailabilityInTransitAmount	2	1	In transit inventory of part group for customer (or from supplier)
AvailabilityMaximumAmount	2	1	Maximum inventory of group parts allowed
AvailabilityMinimumAmountTime	2	1	Minimum inventory allowed of part group (in coverage time), e.g. safety stock
AvailabilityMinimumCost	3	18	Cost per part group to have inventory below the AvailabilityMinimumAmount
AvailabilityMinimumAmount	2	1	Minimum inventory of part group, e.g. safety stock
BatchAmount	2	1	Amount of the part, belonging to the group, taken together
BatchChanges	2	1	Number of batch changes of a part belonging to the group
DelayAmount	2	1	Amount of the parts belonging to a group delayed, in the initial period
DelayCost	3	18	Cost of delaying the demand of the parts belonging to a group
LeadTime	3	27	LeadTime:Supply time of the part belonging to a part group
NonAvailabilityCost	3	18	Non availability cost of part group per unit per period
OutsourcingCost	3	18	Cost of subcontracting the parts belonging to a group
PurchaseCost	3	18	Cost of purchasing the part belonging to a group
SalePrice	3	18	Cost of selling the part belonging to a group
Type	1	1	"Product", "Component", "Material",
VolumeConsumptionAmount	3	25	The amount of volume (m3) one part group will require

Part_Period

fieldName	fieldType	fieldUnit	fieldDescription
PartID	2	1	C2NET unique identifier (autonumeric)
PeriodID	2	1	C2NET unique identifier (autonumeric)
AvailabilityAmount	2	1	Current amount of parts available in the inventory in the period
AvailabilityMinimumAmountTime	2	27	Coverage time of parts available in the inventory, e.g. 3 days of inventory to supply the future demand
AvailabilityCost	3	18	Cost per part and period to have inventory in the period
AvailabilityInTransitAmount	1	1	In transit inventory for customer (or from supplier) in the period
AvailabilityMaximumAmount	1	1	Maximum inventory of parts in the period
AvailabilityMinimumAmount	1	1	Minimum inventory of parts in the period
AvailabilityMinimumCost	3	18	Cost per part and period to have inventory below the AvailabilityMinimumAmount
BatchAmount	3	1	Lotsize amount of part taken in the period
DelayAmount	2	1	Amount of the part delayed in the period
DelayCost	2	1	Amount of the part delayed in the period, per period
DeliveredAmount	2	1	Number of parts delivered to the customer, in the period (past)
NonAvailabilityAmount	2	1	Amount of non available parts (i.e. to have negative units of the part available) in the period
NonAvailabilityCost	3	18	Cost of non availability of the part in the period
NormalOperationAmount	2	1	Maximum production amount of the part in the period
ReceptionAvailabilityAmount	2	1	Amount of the part to be receptioned in the period
RequirementAmount	2	1	Demand of the part in the period
RequirementAmountPromised	2	1	Promised amount of the part demanded in the period
RequirementAmountForecasted	2	1	Forecasted demand of the part in the period
PromotionAmount	2	1	Amount of parts that are under promotion in the period
WasteAmount	2	1	Amount of the part defective that is classified as waste, in the period (in the past)

Part_Site

fieldName	fieldType	fieldUnit	fieldDescription
PartID	2	1	C2NET unique identifier (autonumeric)
SiteID	2	1	C2NET unique identifier (autonumeric)
AvailabilityAmount	2	1	Inventory of the part in the site
AvailabilityCost	3	18	Inventory cost of the part in the site
AvailabilityMaximumAmount	2	1	Maximum Amount of parts to be stored in the Site
AvailabilityMinimumAmount	2	1	Minimum Amount of parts to be stored in the Site

Part_Supplier_Period

fieldName	fieldType	fieldUnit	fieldDescription
PartID	2	1	C2NET unique identifier (autonumeric)
SupplierID	2	1	C2NET unique identifier (autonumeric)
PeriodID	2	1	C2NET unique identifier (autonumeric)
AvailabilityAmount	2	1	Current amount of parts available in the inventory of the supplier in the period
RequirementAmount	2	1	Demand of the part released to the supplier in the period
RequirementAmountPromised	2	1	Promised amount of the part demanded to the supplier in the period
RequirementAmountForecasted	2	1	Forecasted demand of the part to the supplier in the period
SuppliedAmount	2	1	Number of parts delivered from the supplier, in the period (past)

Part_Tool

fieldName	fieldType	fieldUnit	fieldDescription
PartID	2	1	C2NET unique identifier (autonumeric)
ToolID	2	1	C2NET unique identifier (autonumeric)
NormalOperationAmount	2	1	Amount of the part produced in the tool
NormalOperationDeductionAmount	2	1	Amount of the part not longer produced due to a change of the tool, e.g. number of parts not longer produced when a new mold is setup The model considers that one tool can produce different parts. For example, mould A produces parts [5 and 6], mould B produces [7 and 8], mould C produces [9 and 10], mould D produces [11 and 12]. Parts 5, 7, 9 and 11 are considered primary, while parts 6, 8, 10 and 12 are
Principal	4	1	considered secondary.
SetupMaximumAmount	2	1	Number of setups allowed per period (day)

Part_Vehicle

fieldName	fieldType	fieldUnit	fieldDescription
PartID	2	1	C2NET unique identifier (autonumeric)
VehicleID	2	1	C2NET unique identifier (autonumeric)
BatchAmount	2	1	Lotsize Amount of parts taken together in the vehicle
CapacityMaximumAmount	2	1	Maximum amount of the part that can be loaded in a the vehicle
CapacityMinimumAmount	2	1	Minimum amount of the part required to be loaded in the vehicle
BatchMinimumAmount	2	1	Minimum Lotsize Amount of parts taken together in the vehicle
LoadCost	3	18	Cost of load one unit of the part in the vehicle
LoadTime	3	27	Time required to load one unit of the part in the vehicle

Part_Warehouse

fieldName	fieldType	fieldUnit	fieldDescription
PartID	2	1	C2NET unique identifier (autonumeric)
WarehouseID	2	1	C2NET unique identifier (autonumeric)
AvailabilityAmount	1	1	Current amount of parts available in the inventory in the warehouse
AvailabilityCost	3	18	Inventory cost per unit of the part in the warehouse
AvailabilityMaximumAmount	2	1	Maximum inventory of parts allowed in the warehouse
AvailabilityMinimumAmount	2	1	Minimum inventory of parts, e.g. safety stock in the warehouse
AvailabilityMinimumCost	2	1	Cost of a specific part of having the inventory below the AvailabilityMinimumAmount
AvailabilitySafetyAmount	2	1	Safety stock of the part in the warehouse
AvailabilitySafetyCost	2	1	Cost of a specific part of having the inventory below the AvailabilitySafetyAmount
AreaCapacityAmount	3	24	Capacity of the warehouse,in m2, for storing the part
VolumeCapacityAmount	3	25	Capacity of the warehouse,in m3, for storing the part
LocationCorridor	9	1	Corridor Location of the part in the warehouse
LocationShelf	9	1	Shelf Location of the part in the warehouse
LocationHeight	9	1	Height Location of the part in the warehouse

Period

fieldName	fieldType	fieldUnit	fieldDescription
PeriodID	2	1	C2NET unique identifier (autonumeric)
Code	1	1	Company unique identifier
Description	1	1	Company description
EndingDate	5	1	Data in which the period ends
StartingDate	5	1	Data in which the period starts
DateTimeEnding	6	1	Time within the data ending in which the period defined ends
DateTimeStarting	6	1	Time within the data starting in which the period defined starts
TimeEnding	8	1	Time in which the period defined ends
TimeStarting	8	1	Time in which the period defined starts
Type	1	1	Date; DateTime; Time

Site

fieldName	fieldType	fieldUnit	fieldDescription
SiteID	2	1	C2NET unique identifier (autonumeric)
Code	1	1	Company unique identifier
Description	1	1	Company description
Location	9	1	GPS location of the Site
Internal	4	1	True if the Site is internal (belongs to the company)
TypeExternal	1	1	Customer, Supplier, POS
TypeProcess	1	1	Manufacturing, warehouse, assembling, distribution center, point of sale

Site_Site

fieldName	fieldType	fieldUnit	fieldDescription
Site1ID	2	1	C2NET unique identifier (autonumeric) Origin Site
Site2ID	2	1	C2NET unique identifier (autonumeric) Destination Site
TransportCost	3	18	Cost of transport from Site 1 to Site 2
TransportDistance	3	2	Distance from Site 1 to Site 2
TransportAverageTime	3	27	Average Time from Site 1 to Site 2
TransportMode	1	1	truck, plane, boat, trane,...

Site_Site_Vehicle

fieldName	fieldType	fieldUnit	fieldDescription
Site1ID	2	1	C2NET unique identifier (autonumeric) Origin Site
Site2ID	2	1	C2NET unique identifier (autonumeric) Destination Site
VehicleID	2	1	C2NET unique identifier (autonumeric)
TransportCost	3	18	Transport cost between the two sites (dependent of the transport mean: truck, train, ship,...) in the vehicle
TransportTime	3	27	Transport in time between the two sites (dependent of the transport mean: truck, train, ship,...) in the vehicle
Frequency	3	1	Frequency of transport between two specific sites considering the vehicle
TransportFixedCost	3	18	Fixed cost of transport between two specific sites considering the vehicle
TransportVariableCost	3	18	Variable cost of transport between two specific sites considering the vehicle
TransportDistance	3	2	Distance from Site 1 to Site 2 using TransportMode

Route

fieldName	fieldType	fieldUnit	fieldDescription
RouteID	2	1	C2NET unique identifier (autonumeric)
Code	1	1	Company unique identifier
Description	1	1	Company description
TotalDistance	2	2	Total distance of the route

Route_Vehicle

fieldName	fieldType	fieldUnit	fieldDescription
RouteID	2	1	C2NET unique identifier (autonumeric)
VehicleID	1	1	Company unique identifier
Description	1	1	Company description
TotalDistance	2	2	Total distance of the route
TransportCost	3	18	Transport cost between of the route in the vehicle
TransportTime	3	27	Transport in time of the route (dependent of the transport mean: truck, train, ship,...) in the vehicle
Frequency	3	1	Frequency of transport of the route considering the vehicle
TransportFixedCost	3	18	Fixed cost of transport of the route considering the vehicle
TransportVariableCost	3	18	Variable cost of transport of the route considering the vehicle

Route_Site_Site

fieldName	fieldType	fieldUnit	fieldDescription
RouteID	2	1	C2NET unique identifier (autonumeric)
Site1ID	2	1	C2NET unique identifier (autonumeric)
Site2ID	2	1	C2NET unique identifier (autonumeric)
Order	4	1	Identifies the order of the pairs Site1ID and Site2ID within the route

Supplier

fieldName	fieldType	fieldUnit	fieldDescription
SupplierID	2	1	C2NET unique identifier (autonumeric)
Code	1	1	Company unique identifier
Description	1	1	Company description
Location	9	1	Location of the supplier (e.g. address)
SupplyOvertime	3	1	Supplier Service, e.g. 95%
Type	1	1	Types of suppliers e.g. Potential suppliers current suppliers

Supplier_Part

fieldName	fieldType	fieldUnit	fieldDescription
SupplierID	2	1	C2NET unique identifier (autonumeric)
PartID	2	1	C2NET unique identifier (autonumeric)
AvailabilityAmount	2	1	Current Inventory, in the company, of the part belong to the supplier
AvailabilityCost	3	18	Inventory cost per period, in the company, of the part belonging to the supplier
AvailabilityMaximumAmount	2	1	Maximum Inventory allowed, in the company, of the part belong to the supplier
AvailabilityMinimumAmount	2	1	Minimum Inventory allowed, in the company, of the part belong to the supplier
AvailabilityMinimumCost	3	18	Cost per part of having the inventory below the AvailabilityMinimumAmount, in the supplier
AvailabilitySafetyAmount	2	1	Safety stock, in the company, of the part belonging to the supplier
AverageDailyAmountPurchase	2	1	Average amount of the part purchased to the supplier
ClaimAmount	2	1	Number of claims of the part, given by the supplier
DelayAmount	2	1	Amount of part delayed from the supplier
DelayCost	3	18	Cost of delaying the demand of the part from the supplier (per period)
AverageLeadTime	3	27	Supply time of the part from the supplier to the company
PurchasePrice	3	18	Unitary cost to purchase the part to the supplier
SupplyAvailabilityAmount	2	1	Inventory of the part in the supplier
SupplyBatchAmount	2	1	Lotsize amount of the part required to be supplied by the supplier
SupplyMinimumAmount	2	1	Minimum amount of parts required for the deliver, of the supplier
SupplyOntime	3	1	Supplier Service, e.g. 95%
SupplyCapacityAmount	2	1	Maximum units of the part that can be supplied by the supplier per day
NonAvailabilityAmount	2	1	Amount of non available parts (i.e. to have negative units of the part available)
NonAvailabilityCost	3	18	Cost of non availability of the part (i.e. to have negative units of the part available)

Supplier_Site

fieldName	fieldType	fieldUnit	fieldDescription
SiteID	2	1	C2NET unique identifier (autonumeric)
SupplierID	2	1	C2NET unique identifier (autonumeric)

Supplier_TimeFrame

fieldName	fieldType	fieldUnit	fieldDescription
SupplierID	2	1	C2NET unique identifier (autonumeric)
TimeFrameID	2	1	C2NET unique identifier (autonumeric)

TimeFrame

fieldName	fieldType	fieldUnit	fieldDescription
TimeFrameID	2	1	C2NET unique identifier (autonumeric)
Code	1	1	Company unique identifier
Description	1	1	Company description
DateEnding	5	1	Data in which the time frame defined ends
DateStarting	5	1	Data in which the time frame defined starts
DateTimeEnding	6	1	Time within the data ending in which the time frame defined ends
DateTimeStarting	6	1	Time within the data starting in which the time frame defined starts
DayOfWeek	2	1	Day of the week belonging to the time frame defined
MonthOfYear	2	1	Month of the year belonging to the time frame defined
TimeEnding	8	1	Time in which the time frame defined ends
TimeStarting	8	1	Time in which the time frame defined starts
WeekOfMonth	2	1	Week of the month belonging to the time frame defined
Type	1	1	Date; DateTime

Tool

fieldName	fieldType	fieldUnit	fieldDescription
ToolID	2	1	C2NET unique identifier (autonumeric)
Code	1	1	Company unique identifier
Description	1	1	Company description
Amount	2	1	Number of tools

Tool_Labour

fieldName	fieldType	fieldUnit	fieldDescription
ToolID	2	1	C2NET unique identifier (autonumeric)
LabourID	2	1	C2NET unique identifier (autonumeric)
SetupLabourAmount	2	1	Number of labour required to setup the tool
SetupCostLabour	3	19	Cost of labour to setup the tool (per hour)
SetupTimeLabour	3	27	Time of labour required to setup the tool
NormalOperationAmount	2	1	Amount of the type of labour required to handle the tool
NormalOperationCost	3	18	Cost of the type of labour when handling the tool
NormalOperationTime	2	27	Time of the type of labour when handling the tool

Tool_Period

fieldName	fieldType	fieldUnit	fieldDescription
ToolID	2	1	C2NET unique identifier (autonumeric)
PeriodID	2	1	C2NET unique identifier (autonumeric)
SetupMaximumAmount	2	1	Number of setups allowed per period (day)
SetupMinimumAmount	2	1	Number of setups allowed, as minimum, per period (day)

Vehicle

fieldName	fieldType	fieldUnit	fieldDescription
VehicleID	2	1	C2NET unique identifier (autonumeric)
Code	1	1	Company unique identifier
Description	1	1	Company description
TransportAmount	2	1	Number of transport means (trucks, vehicles)
TransportCost	3	18	Fixed cost per vehicle
TransportMaximumLenght	3	24	Maximum load length (e.g. in the case of trucks related to the platform length)
TransportMaximumVolume	3	25	Maximum load volume
TransportMaximumWeight	3	3	Maximum weight admissible
Type	1	1	Type of vehicle (e.g type of truck: Normal Tir, Sliding, ...)
TransportMinimumLenght	3	24	Minimum load length (e.g. in the case of trucks related to the platform length)
TransportMinimumVolume	3	25	Minimum load volume
TransportMinimumWeight	3	3	Minimumweight admissible
TransportVariableDistanceCost	3	18	Variable cost depending on the distance (e.g. per km)
TransportVariableWaitTimeCost	3	18	Variable cost depending on waiting time (e.g. in load or unload operations)
TransportVariableWeightCost	3	18	Variable cost depending on the weight to transport

Vehicle_Period

fieldName	fieldType	fieldUnit	fieldDescription
PeriodID	2	1	C2NET unique identifier (autonumeric)
VehicleID	2	1	C2NET unique identifier (autonumeric)
AvailabilityAmount	2	1	Amount of vehicles available in the period

Warehouse

fieldName	fieldType	fieldUnit	fieldDescription
WarehouseID	2	1	C2NET unique identifier (autonumeric)
Code	1	1	Company unique identifier
Description	1	1	Company description
AvailabilityArea	3	24	Area (m2) availabe to store parts
AvailabilityVolume	3	25	Volume (m3) availabe to store parts
Location	9	1	Location of the Warehouse

Warehouse_Site

fieldName	fieldType	fieldUnit	fieldDescription
WarehouseID	2	1	C2NET unique identifier (autonumeric)
SiteID	2	1	C2NET unique identifier (autonumeric)
Location	9	1	Location of the warehouse inside the Site