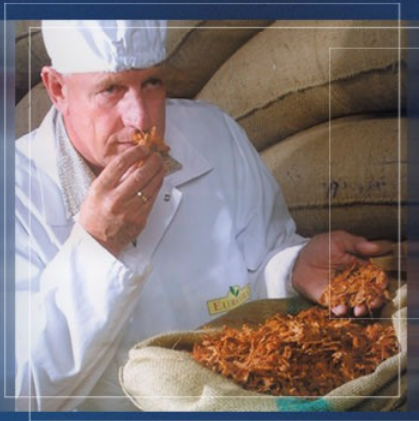




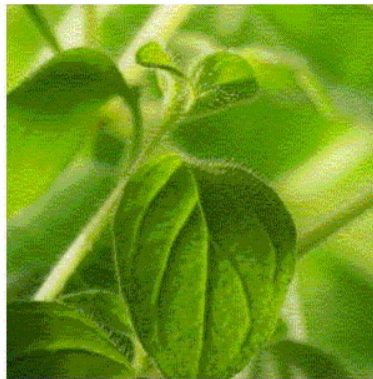
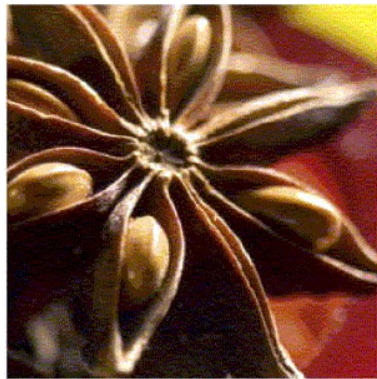
vLm - VMI



1 oktober 2009

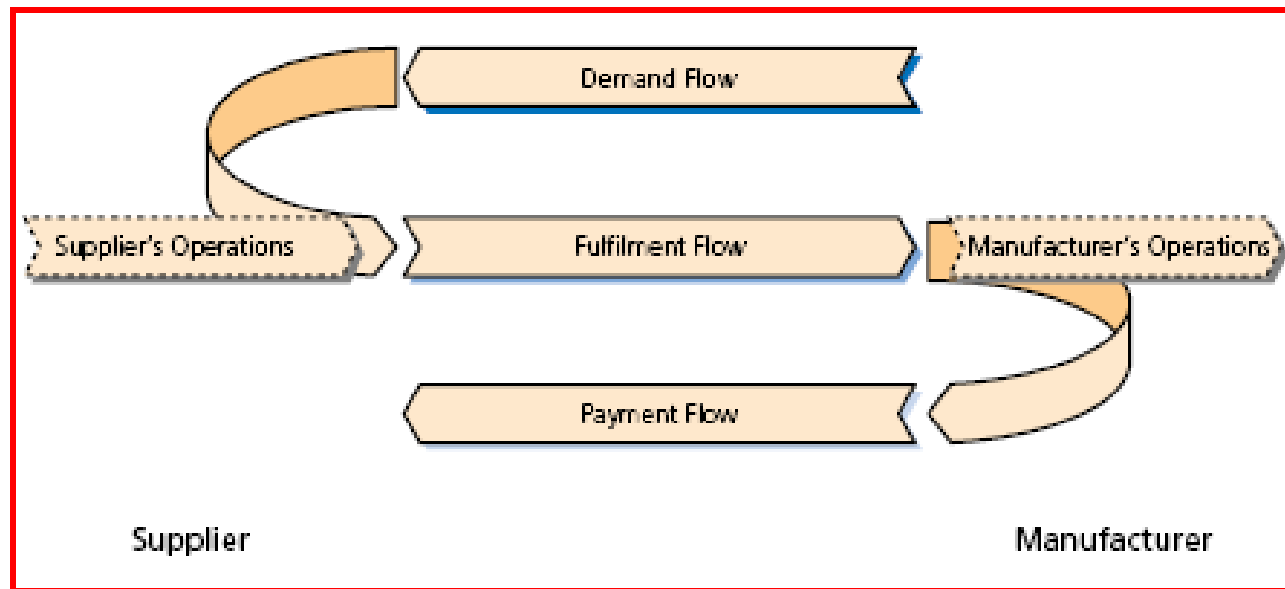


VMI Praktijk





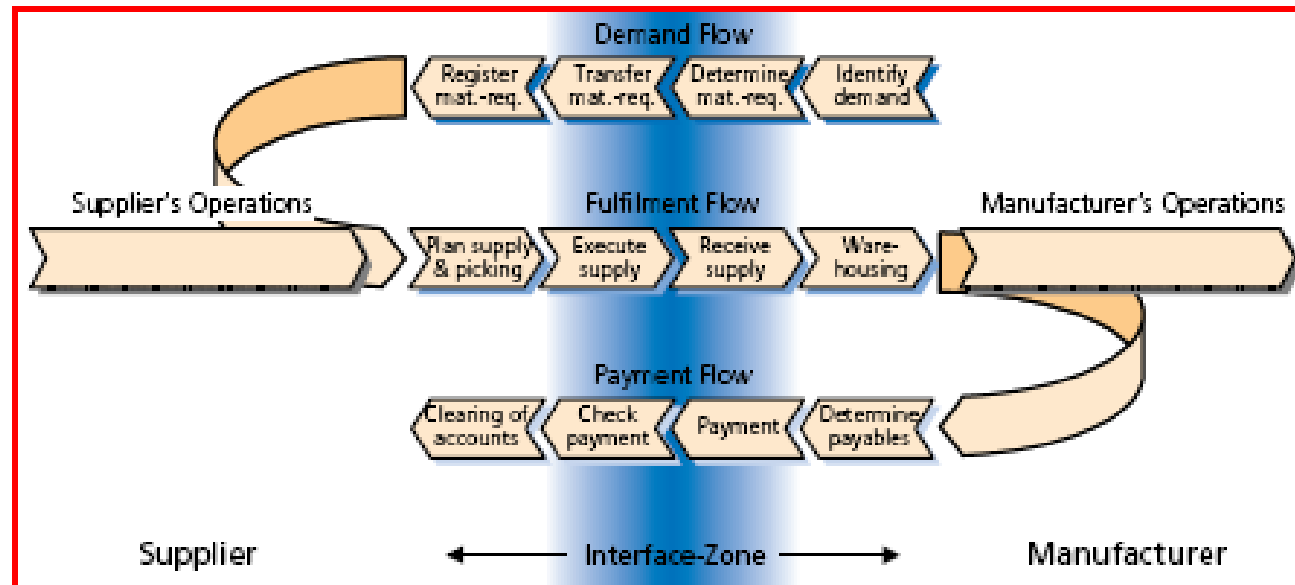
Supply Chain Model



Based on document "Integrated Suppliers" from ECR

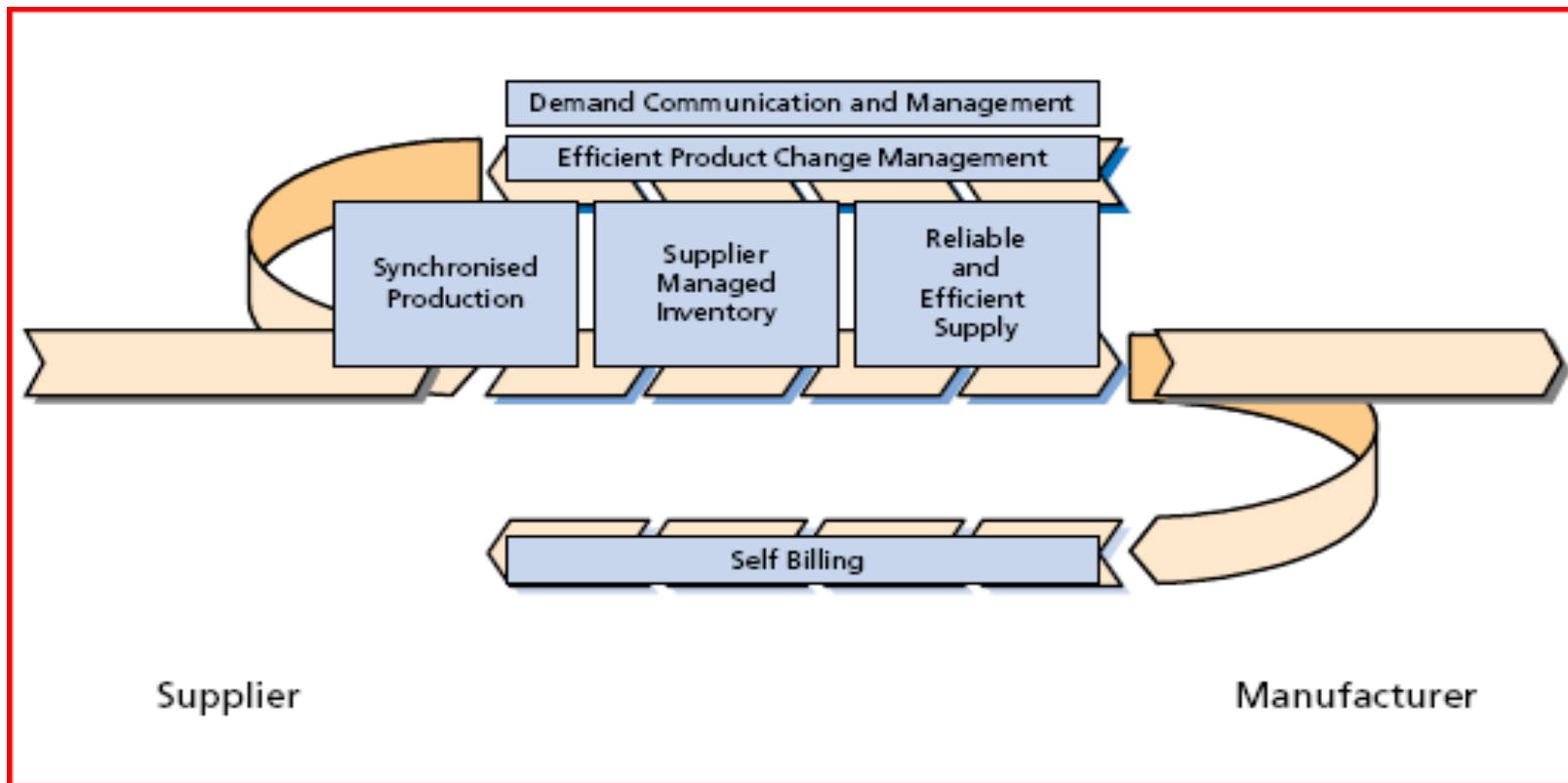


Second level Supply Chain Model





Key concept of integrated suppliers





Demand Communication and Management

Benefit:

- Future demand

Important issues:

- Content of the communicated information
 - Quality of the communicated information
 - Time restrictions for the planning periods
-



Efficient Product Change Management

Benefits:

- Significant reduction of the lead time of product changes
 - Smooth product changes
 - Sensitivity for the critical steps of the process among all participants
 - Less disturbances of the “daily” replenishment process through the product change process
-



Synchronised production

Production cost reduction by:

- Reduction of stock levels
 - Extended planning horizon supports a better capacity utilisation
 - Significant reduction of “very urgent orders”
-



Supplier Managed Inventory

Logistic cost reduction by:

- Significant reduction of the stock level in the relationship
 - Reduced transport costs
 - Administrative costs will decrease
-



Reliable and Efficient Supply

General benefits:

- Avoidance of expensive and ineffective troubleshooting
 - Early involvement of supplier
 - Enables further sc optimisation
-



Business rules

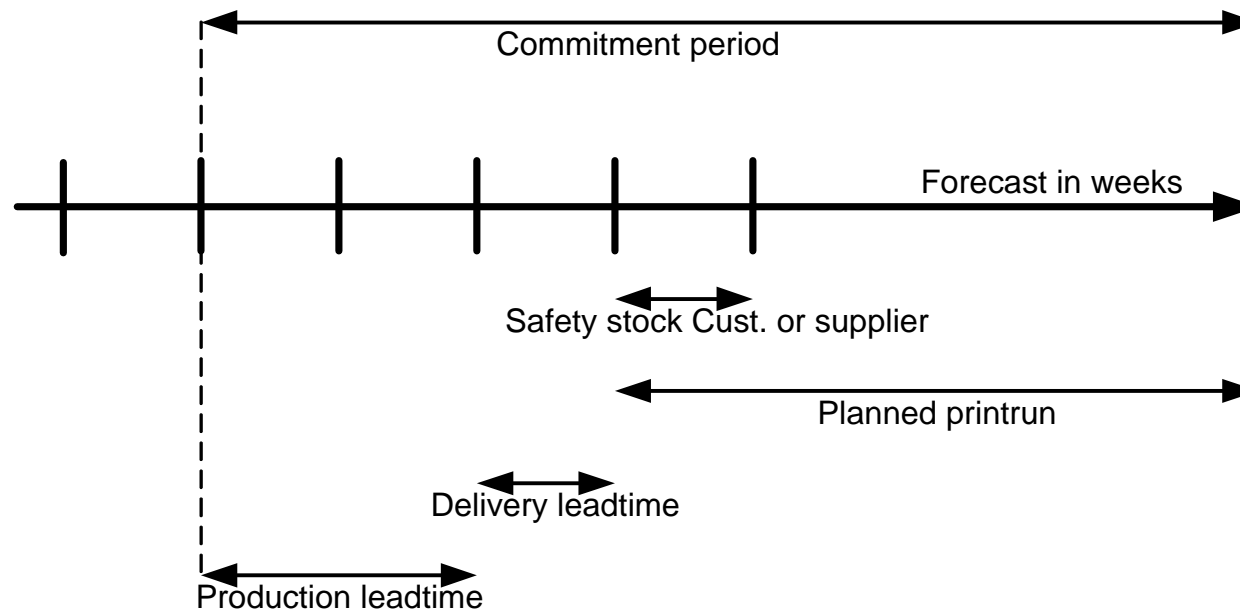
Agreement between supplier and customer covering the following topics:

- Forecast information: when is it sent, what do is sent, what is the forecast horizon, when is there an update etc....
 - Synchronized production: how long is the commitment period, what are the saftey stocks and what are the agreed lead-times etc....
 - Deliveries: the quantity, frequency of deliveries, (urgent) delivery lead etc....
-

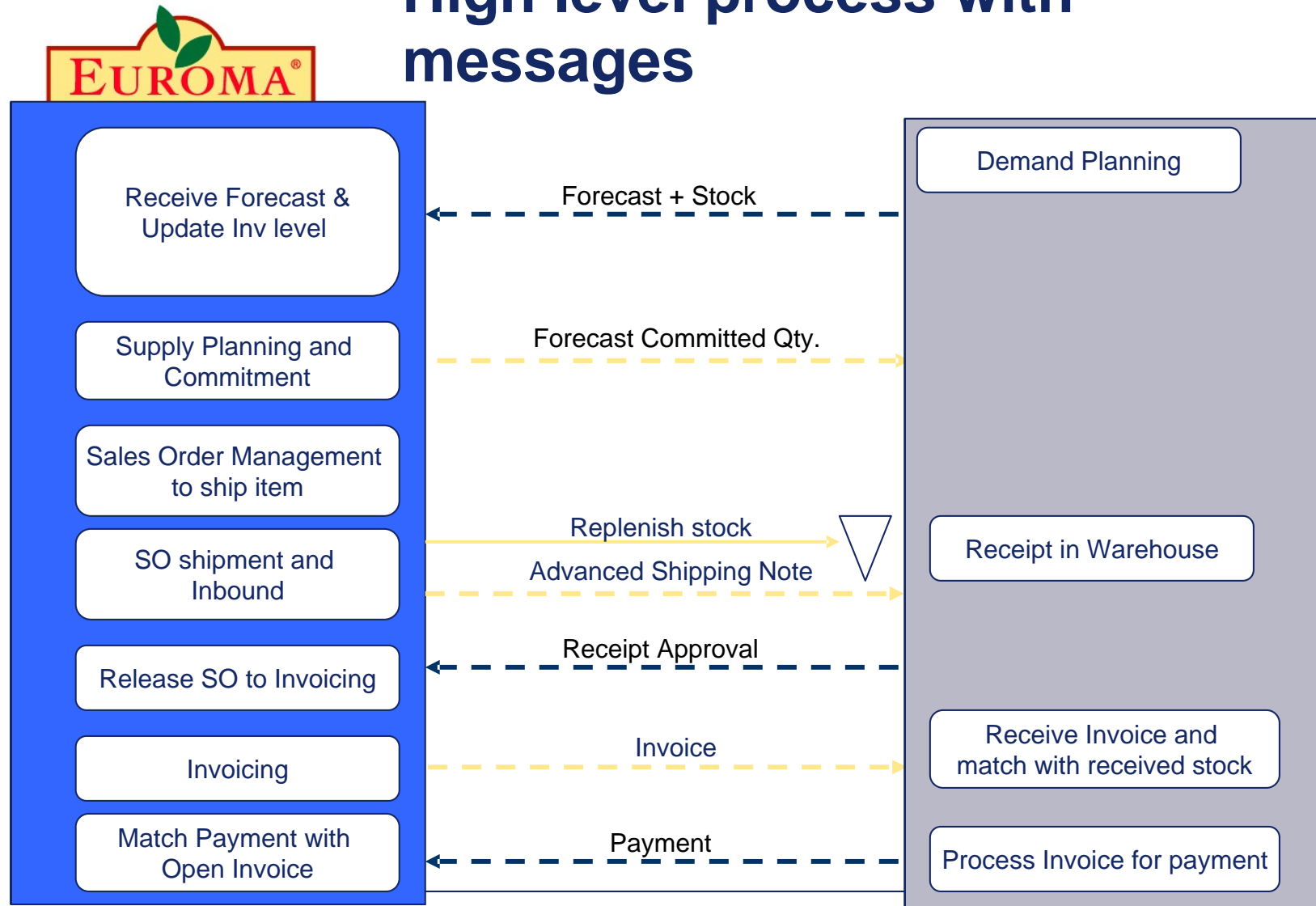


Commitment period overview

Period for which the customer financially commits itself to the forecast

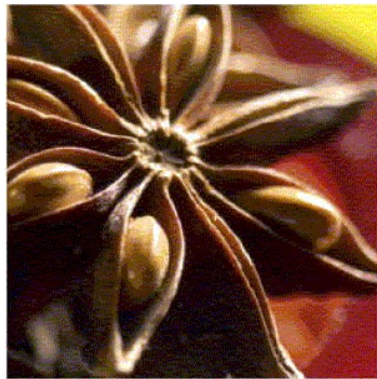


High level process with messages

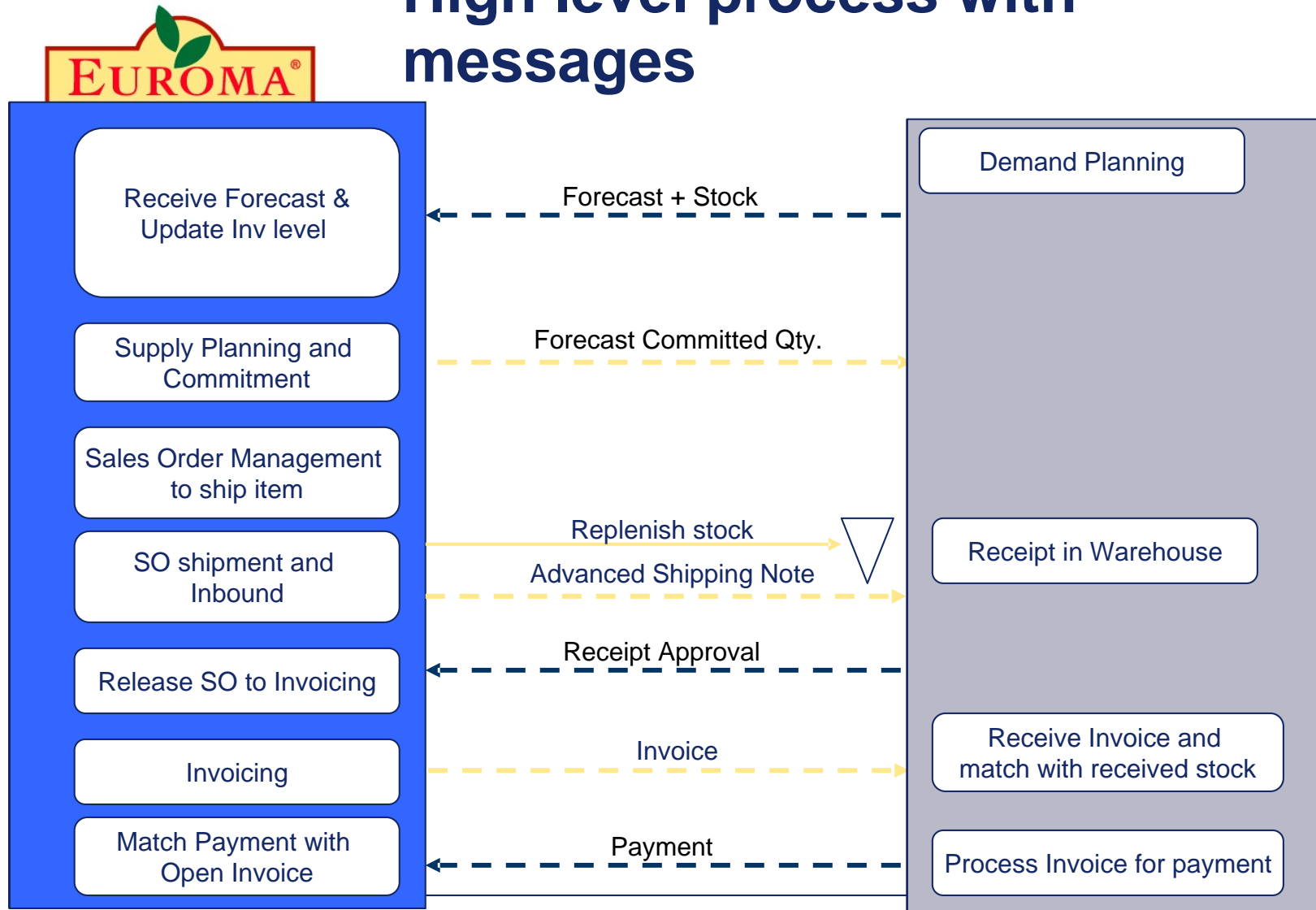




VMI Praktijk



High level process with messages





XML Stock and Demand

```
<?xml version="1.0" ?>
- <sh:StandardBusinessDocument xmlns:sh="http://www.unece.org/cefact/namespaces/StandardBusinessDocumentHeader"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:eanucc="urn:ean.ucc:2" xmlns:plan="urn:ean.ucc:plan:2"
  xsi:schemaLocation="http://www.unece.org/cefact/namespaces/StandardBusinessDocumentHeader ../Schemas/sbdh/StandardBusinessDocumentHeader.xsd
  urn:ean.ucc:2 ../Schemas/ReplenishmentRequestProxy.xsd">
- <sh:StandardBusinessDocumentHeader>
  <sh:HeaderVersion>2.2</sh:HeaderVersion>
- <sh:Sender>
  <sh:Identifier Authority="VMI">SITE</sh:Identifier>
  </sh:Sender>
- <sh:Receiver>
  <sh:Identifier Authority="VMI">EUROMA</sh:Identifier>
  </sh:Receiver>
- <sh:DocumentIdentification>
  <sh:Standard>EAN.UCC</sh:Standard>
  <sh:TypeVersion>2.1</sh:TypeVersion>
  <sh:InstanceIdentifier>SITE-20090205081141000</sh:InstanceIdentifier>
  <sh:Type>ReplenishmentRequest</sh:Type>
  <sh:MultipleType>false</sh:MultipleType>
  <sh:CreationDateAndTime>2009-02-05T00:00:00+00:00</sh:CreationDateAndTime>
  </sh:DocumentIdentification>
- <sh:BusinessScope>
- <sh:Scope>
  <sh:Type>PLAN</sh:Type>
  <sh:InstanceIdentifier>VMI</sh:InstanceIdentifier>
  <sh:Identifier>wrr</sh:Identifier>
  </sh:Scope>
  </sh:BusinessScope>
</sh:StandardBusinessDocumentHeader>
- <eanucc:message>
- <entityIdentification>
  <uniqueCreatorIdentification>20090205081141000</uniqueCreatorIdentification>
- <contentOwner>
  <gln>0000000000000</gln>
  </contentOwner>
  </entityIdentification>
- <eanucc:transaction>
- <entityIdentification>
```



Stock and Demand

Artikel

Maateenheid kilogram

Voorraad

Datum

Voorraad en verwachte vraag - details

Regels [Beeld](#) [Specifiek](#)

	Startdatum	Einddatum	Verwachte vraag
	02-02-2009 00:00	08-02-2009 00:00	47,4430
	09-02-2009 00:00	15-02-2009 00:00	52,2770
	16-02-2009 00:00	22-02-2009 00:00	43,7310
	23-02-2009 00:00	01-03-2009 00:00	11,8360
	02-03-2009 00:00	08-03-2009 00:00	89,3680
	09-03-2009 00:00	15-03-2009 00:00	4,0120
	16-03-2009 00:00	22-03-2009 00:00	44,3140
	23-03-2009 00:00	29-03-2009 00:00	54,8650
	30-03-2009 00:00	05-04-2009 00:00	49,3480
	06-04-2009 00:00	12-04-2009 00:00	72,5180
	20-04-2009 00:00	26-04-2009 00:00	38,1140
	27-04-2009 00:00	03-05-2009 00:00	19,2580
	04-05-2009 00:00	10-05-2009 00:00	58,5760
	11-05-2009 00:00	17-05-2009 00:00	30,6930
	18-05-2009 00:00	24-05-2009 00:00	38,9170
	25-05-2009 00:00	31-05-2009 00:00	77,9540
	08-06-2009 00:00	14-06-2009 00:00	30,0900



Deliveryplan

Artikel

Maateenheid kilogram

Voorraad

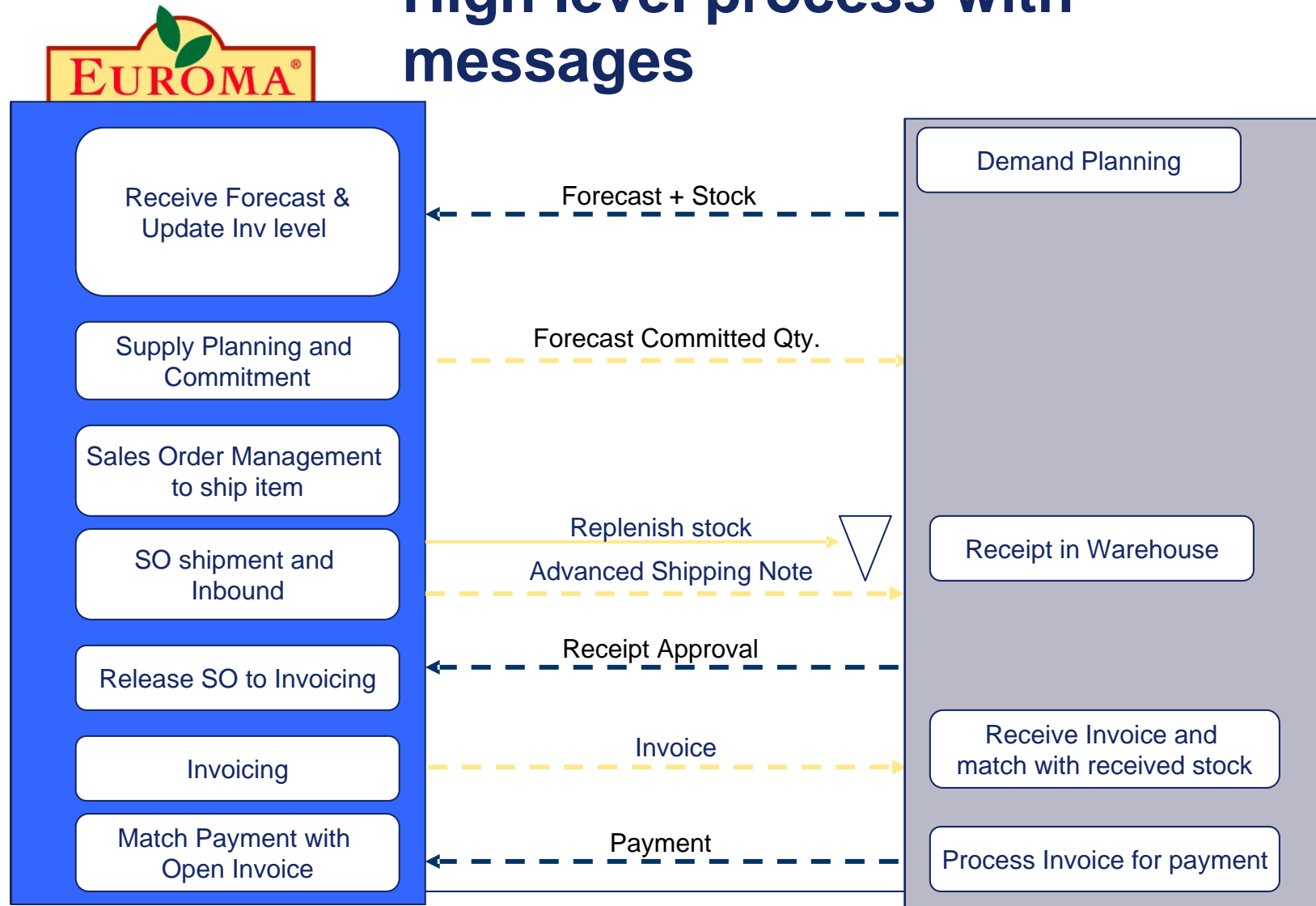
Leveringen onderweg 0,0000

Leverplan - details

Regels Beeld Specifiek

	Geplande ontvangstdatu	Geplande beschikbare datu	Verwachte vraag	Geplande leverhoeveelheid	Project voorraad	Soort behoefte
	25-02-20 00:00	02-03-2009 00:00	244,6550	315,0000	269,5410	Gepland
	22-04-20 00:00	27-04-2009 00:00	282,4290	315,0000	302,1120	Gepland
	17-06-20 00:00	22-06-2009 00:00	340,4430	315,0000	276,6690	Gepland
	05-08-20 00:00	10-08-2009 00:00	314,3650	315,0000	277,3040	Gepland
	23-09-20 00:00	28-09-2009 00:00	307,5460	630,0000	599,7580	Gepland
	16-12-20 00:00	21-12-2009 00:00	619,4250	315,0000	295,3330	Gepland

High level process with messages

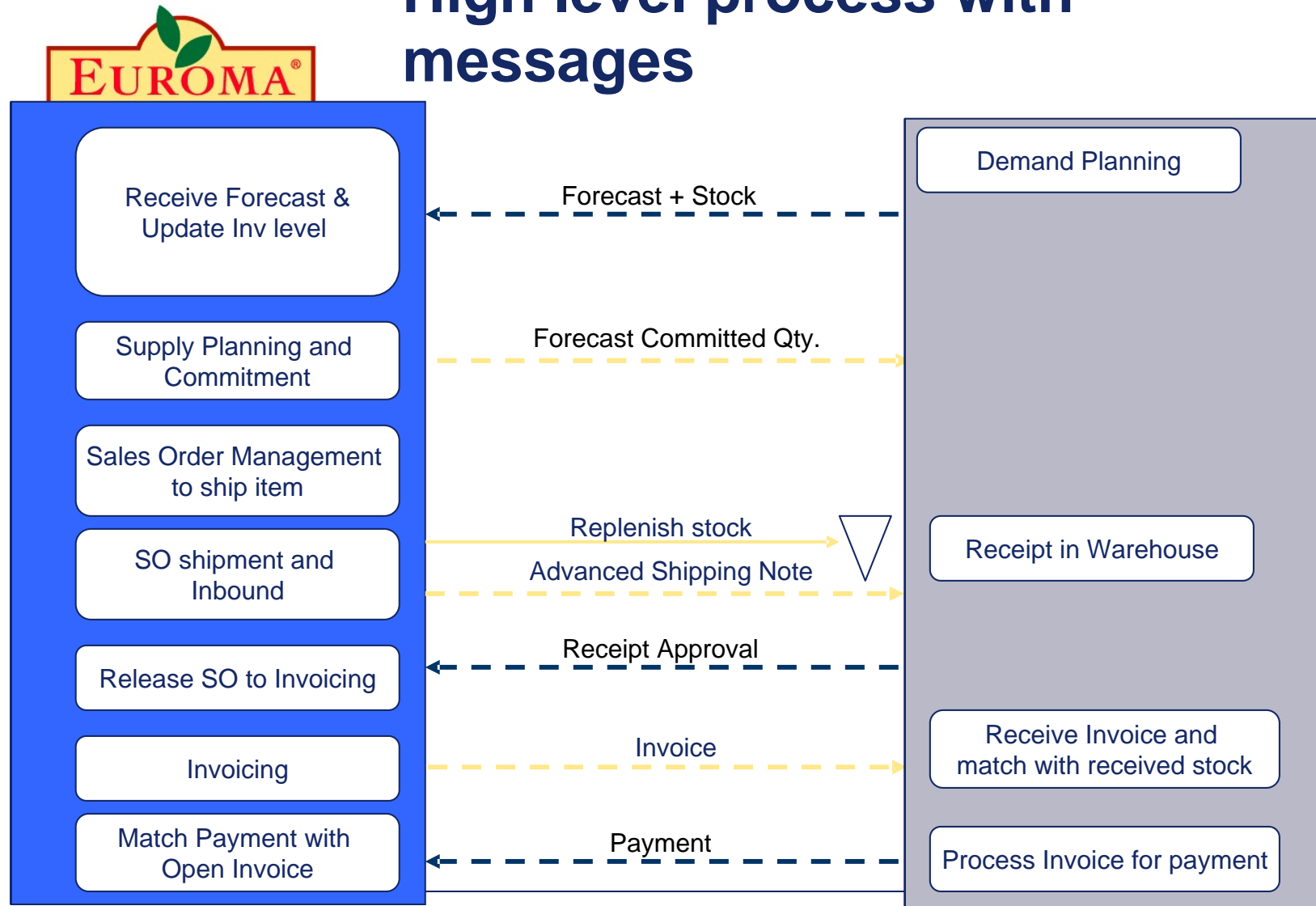




XML Deliverplan

```
- <sh:StandardBusinessDocument xmlns:deliver="urn:ean.ucc:deliver:2" xmlns:eanucc="urn:ean.ucc:2" xmlns:plan="urn:ean.ucc:plan:2"
  xmlns:sh="http://www.unece.org/cefact/namespaces/StandardBusinessDocumentHeader" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.unece.org/cefact/namespaces/StandardBusinessDocumentHeader ../Schemas/sbdh/StandardBusinessDocumentHeader.xsd
  urn:ean.ucc:2 ../Schemas/ReplenishmentProposalProxy.xsd">
- <sh:StandardBusinessDocumentHeader>
  <sh:HeaderVersion>2.2</sh:HeaderVersion>
  - <sh:Sender>
    <sh:Identifier Authority="VMI">EUROMA</sh:Identifier>
    </sh:Sender>
  - <sh:Receiver>
    <sh:Identifier Authority="VMI">SITE</sh:Identifier>
    </sh:Receiver>
  - <sh:DocumentIdentification>
    <sh:Standard>EAN.UCC</sh:Standard>
    <sh:TypeVersion>2.1</sh:TypeVersion>
    <sh:InstanceIdentifier>20081209013556-001</sh:InstanceIdentifier>
    <sh:Type>ReplenishmentProposal</sh:Type>
    <sh:MultipleType>false</sh:MultipleType>
    <sh:CreationDateAndTime>2008-12-09T13:35:56</sh:CreationDateAndTime>
    </sh:DocumentIdentification>
  - <sh:BusinessScope>
    - <sh:Scope>
      <sh:Type>PLAN</sh:Type>
      <sh:InstanceIdentifier>VMI</sh:InstanceIdentifier>
      <sh:Identifier>del</sh:Identifier>
      </sh:Scope>
    </sh:BusinessScope>
  </sh:StandardBusinessDocumentHeader>
- <eanucc:message>
  - <entityIdentification>
    <uniqueCreatorIdentification>20081209013556-001</uniqueCreatorIdentification>
    - <contentOwner>
      <gln>0000000000000</gln>
      </contentOwner>
    </entityIdentification>
  - <eanucc:transaction>
```


High level process with messages





XML Despatch advice

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
- <sh:StandardBusinessDocument xmlns:deliver="urn:ean.ucc:deliver:2" xmlns:eanucc="urn:ean.ucc:2" xmlns:plan="urn:ean.ucc:plan:2"
  xmlns:sh="http://www.unece.org/cefact/namespaces/StandardBusinessDocumentHeader" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.unece.org/cefact/namespaces/StandardBusinessDocumentHeader ../Schemas/sbdh/StandardBusinessDocumentHeader.xsd
  urn:ean.ucc:2 ../Schemas/DespatchAdviceProxy.xsd">
- <sh:StandardBusinessDocumentHeader>
  <sh:HeaderVersion>2.2</sh:HeaderVersion>
- <sh:Sender>
  <sh:Identifier Authority="VMI">EUROMA</sh:Identifier>
</sh:Sender>
- <sh:Receiver>
  <sh:Identifier Authority="VMI">SITE</sh:Identifier>
</sh:Receiver>
- <sh:DocumentIdentification>
  <sh:Standard>EAN.UCC</sh:Standard>
  <sh:TypeVersion>2.1</sh:TypeVersion>
  <sh:InstanceIdentifier>20081209015845-001</sh:InstanceIdentifier>
  <sh:Type>DespatchAdvice</sh:Type>
  <sh:MultipleType>>false</sh:MultipleType>
  <sh:CreationDateAndTime>2008-12-09T13:58:45</sh:CreationDateAndTime>
</sh:DocumentIdentification>
- <sh:BusinessScope>
- <sh:Scope>
  <sh:Type>DELIVER</sh:Type>
  <sh:InstanceIdentifier>VMI</sh:InstanceIdentifier>
  <sh:Identifier>des</sh:Identifier>
</sh:Scope>
</sh:BusinessScope>
</sh:StandardBusinessDocumentHeader>
- <eanucc:message>
- <entityIdentification>
  <uniqueCreatorIdentification>20081209015845-001</uniqueCreatorIdentification>
- <contentOwner>
  <gln>0000000000000</gln>
</contentOwner>
</entityIdentification>
```

High level process with messages





XML receiving advice

```
<?xml version="1.0" encoding="UTF-8" ?>
- <sh:StandardBusinessDocument xmlns:sh="http://www.unece.org/cefact/namespaces/StandardBusinessDocumentHeader"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:eanucc="urn:ean.ucc:2" xmlns:deliver="urn:ean.ucc:deliver:2"
  xsi:schemaLocation="http://www.unece.org/cefact/namespaces/StandardBusinessDocumentHeader ../Schemas/sbdh/StandardBusinessDocumentHeader.xsd
  urn:ean.ucc:2 ../Schemas/ReceivingAdviceProxy.xsd">
- <sh:StandardBusinessDocumentHeader>
  <sh:HeaderVersion>2.2</sh:HeaderVersion>
- <sh:Sender>
  <sh:Identifier Authority="VMI">SITE</sh:Identifier>
  </sh:Sender>
- <sh:Receiver>
  <sh:Identifier Authority="VMI">EUROMA</sh:Identifier>
  </sh:Receiver>
- <sh:DocumentIdentification>
  <sh:Standard>EAN.UCC</sh:Standard>
  <sh:TypeVersion>2.1</sh:TypeVersion>
  <sh:InstanceIdentifier>SITE20090204120947</sh:InstanceIdentifier>
  <sh:Type>ReceivingAdvice</sh:Type>
  <sh:MultipleType>false</sh:MultipleType>
  <sh:CreationDateAndTime>2009-02-04T12:09:47+00:00</sh:CreationDateAndTime>
  </sh:DocumentIdentification>
- <sh:BusinessScope>
- <sh:Scope>
  <sh:Type>DELIVER</sh:Type>
  <sh:InstanceIdentifier>VMI</sh:InstanceIdentifier>
  <sh:Identifier>rec</sh:Identifier>
  </sh:Scope>
  </sh:BusinessScope>
  </sh:StandardBusinessDocumentHeader>
- <eanucc:message>
- <entityIdentification>
  <uniqueCreatorIdentification>20090204132905000</uniqueCreatorIdentification>
- <contentOwner>
  <gln>0000000000000</gln>
  </contentOwner>
  </entityIdentification>
```



Invoicing the goods

	Positiernr.	Onze soort behoefte	Status	Startdatum	Hoeveelheid		Geleverde hoeveelheid		Referentie	Bevroren	Blokkeren	Tekst
	400	Onmiddellijk	Verwerkt	19-01-2009	3780,0000	kg	3780,0000	kg			<input type="checkbox"/>	<input type="checkbox"/>
	410	Gepland	Geannuleerd	16-02-2009	2940,0000	kg	0,0000	kg			<input type="checkbox"/>	<input type="checkbox"/>
	420	Gepland	Geannuleerd	06-04-2009	3780,0000	kg	0,0000	kg			<input type="checkbox"/>	<input type="checkbox"/>
	430	Gepland	Geannuleerd	29-05-2009	4200,0000	kg	0,0000	kg			<input type="checkbox"/>	<input type="checkbox"/>
	440	Gepland	Geannuleerd	10-08-2009	1680,0000	kg	0,0000	kg			<input type="checkbox"/>	<input type="checkbox"/>
	450	Gepland	Geannuleerd	21-09-2009	2100,0000	kg	0,0000	kg			<input type="checkbox"/>	<input type="checkbox"/>
	460	Gepland	Geannuleerd	09-11-2009	2100,0000	kg	0,0000	kg			<input type="checkbox"/>	<input type="checkbox"/>



Questions?