Business Message Standard (BMS)

**for**

**Despatch Advice**

**BRG: Deliver**

**BMS Release: 2.0.2**

**Document Version: 2.0.2**

**Release Date: 31.03.2005**

*(dd.mm.ccyy)*



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| **CR Submitter(s):** | Deliver Task Group |
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|  |
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| --- |
| **BRAD Title:** |
| **BRAD Date:** |
| **BRAD Version:** |

**Document Summary**

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# Business Solution Design

## Business Domain View

### Problem Statement / Business Need

Generally, the Despatch Advice enables one Shipper to provide information about the content of a shipment to one Receiver. Specifically, the Despatch Advice serves as a link to a prior agreement between Shipper and Receiver and is applicable to one or many Receiver destination points from one Shipper launch point. Furthermore, the Despatch Advice may be used to indicate the despatch of goods being returned by the Receiver. The Despatch Advice may be utilized downstream between retailers, suppliers, 3PLs, carriers and manufacturers as well as upstream between manufacturers, 3PLs and material suppliers.

### Objective

The objective of the Despatch Advice is:

* To facilitate the receipt of goods
* To make the despatch advice applicable to a replenishment scenario where there is no link to an order but to a contract or other kind of agreement.
* To make the despatch advice applicable to multiple destination points
* To provide more detailed information about the shipment as well as the content of a shipment from a shipper and if applicale the shipper’s warehouse to the receiver and his warehouse
* To make the despatch advice applicable for the despatch of goods being returned

### Audience

Retailers, manufacturers, warehouses, material suppliers, carriers and any other third party such as a logistic service or 3PL provider involved in the despatch and receipt of goods.

### Artefacts

|  |  |
| --- | --- |
| **Artefact name** | **Artefact description** |
| BMS for Core Despatch Advice v 1.3.1 |  |
| BRW for Despatch Advice V 0.3 |  |
| BRD for Core Despatch Advice v 1.2 |  |
|  |  |

### References

* Change Request CR #03-000141 (bundling of CR's #01-000014, #01-000078, #03-000006)
* Change Request CR #03-000043, lot number and quantity correction
* Change Request CR #03-000172, return of goods

### Acknowledgements

* Deliver BRG members
* Distribution Task Group members

#### BRG Members

|  |  |  |
| --- | --- | --- |
| **function** | **Name** | **Company / organisation** |
| **BRG Co-chair** | Debra Noyes | Johnsonville Sausage |
| **BRG Co-chair** | Sue Donarski | Schneider Logistics |
| **BRG Member** | Regina De Baker | Watkins |
| **BRG Member** | Shanda Marvin | Procter & Gamble |
| **BRG Member** | Mike Osiecki | Best Buy Company |
| **BRG Member** | Roman Gural | UPS |
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| **BRG Member** | Paul Martin | General Mills |
| **BRG Member** | Kari Melhus | Target Corporation |
| **BRG Member** | Jeff Miller | Kraft Foods, Inc. |
| **BRG Member** | Bob Robertson | Manhattan Associates |
| **BRG Member** | David Burns | INTTRA |
| **BRG Member** | Marco Van Der Lee | EAN Netherlands |
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#### ITRG Members

|  |  |  |
| --- | --- | --- |
| **Function** | **Name** | **Company / organisation** |
| **ITRG Chair** |  |  |
| **ITRG Member** |  |  |
| **ITRG Member** |  |  |
| **ITRG Member** |  |  |
| **...** |  |  |

#### Task/Project Group Participants (*where applicable*)

|  |  |  |
| --- | --- | --- |
| **Function** | **Name** | **Company / organisation** |
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| **Participant** | Dean Yuhas | Millard Refregeration |
| **Participant** | Sue Donarski | Schneider Logistics |
| **Participant** | Paul Martin | General Mills |
| **Participant** | Kari Melhus | Target Corporation |
| **Participant** | Jeff Miller | Kraft Foods, Inc. |
| **Participant** | Franck Napoli | LMI |
| **Participant** | David Burns | INTTRA |
| **Participant** | Marco Van Der Lee | EAN Netherlands |
| **Participant** | Apostolos Xiradakis | Unilever |
| **Participant** | Fred Kempkes | Unilever |
| **Participant** | Thorsten Kirschner | CCG (EAN Germany) |
| **Participant** | Jean François Fusco | Geodis Solution |
| **Participant** | Aart Koning | Albert Heijn |
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#### Design Team Members

|  |  |  |
| --- | --- | --- |
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| **XML Technical Designer** |  |  |
| **EANCOM Technical Designer** |  |  |
| **Peer Reviewer** | John Ryu | EAN.UCC |
|  |  |  |

## Business Context

|  |  |
| --- | --- |
| **Context Category** | **Value(s)** |
| Industry | All |
| Geopolitical | All |
| Product | All |
| Process | Deliver |
| System Capabilities | EAN.UCC |
| Official Constraints | None |

## Additional Technical Requirements Analysis

### Technical Requirements (optional)

*(User Interface, Security, Performance, Quality, etc.))*

| **Number** | **Statement** | **Rationale** |
| --- | --- | --- |
|  |  |  |

## Business Transaction View

The Despatch Advice must contain certain information, in line item format, to convey comparative information to the Receiver. The Despatch Advice therefore will provide for the identification of the individual lines within the Despatch Advice by line sequence number. The Despatch Advice may provide for a reference to other related documents, such as the Order, Delivery Note and Consignment. The Despatch Advice may also include a reference to a contract and may include the line sequence numbers from the documents Order, Delivery Note, Consignment and Contract.

### Business Transaction Use Case Diagram



### Use Case Description

|  |  |
| --- | --- |
| **Use Case Name** | Generate Despatch Advice |
| **Use Case Description** | Describes a complete process whereby a Shipper generates a Despatch Advice based on information about the order and the product. |
| **Actors** | Receiver and Shipper |
| **Preconditions** | Master data alignment of locations (GLNs) and products (GTINs). |
| **Postconditions** | Check of the received physical goods with the information of the Despatch Advice and the check of the state of the goods themselves. |
| **General Scenario** | 1. Shipper issues the Despatch Advice containing the information of the actual physical shipment. 2. Receiver receives Despatch Advice. 3. If necessary, Receiver creates and sends Despatch Advice to Shipper indicating returned goods. \*See role reversal note in activity and sequence diagrams. |

### Business Transaction Activity Diagram(s)

**

### Business Transaction Sequence Diagram(s) (optional)



## Information Model (including GDD Report)

### Data Description:

| **Class (ABIE)** | **Attribute (BBIE)** | **Association (ASBIE)** | **Secondary Class** | **Related Requirements** |
| --- | --- | --- | --- | --- |
| ActualShipping |  |  |  | Despatch Advice BRD 11/11/04 V 1.0.9.3 |
|  | actualShipDateTime |  |  |  |
|  | estimatedDeliveryDateTime |  |  |  |
| AdditionalItemData |  |  |  | BMS Common Library Version 2.0.0 |
|  | shelfLife |  |  |  |
|  | productionDate |  |  |  |
| DespatchAdvice |  |  |  | Despatch Advice BRD 11/11/04 V 1.0.9.3 |
|  |  | carrier | PartyIdentification |  |
|  |  | shipper | PartyIdentification |  |
|  |  | shipFrom | PartyIdentification |  |
|  |  | shipTo | PartyIdentification |  |
|  |  | receiver | PartyIdentification |  |
|  |  | none (inheritance) | Document |  |
|  |  | despatchAdviceIdentification | EntityIdentification |  |
|  |  | none | DespatchItem |  |
|  |  | contract | Reference |  |
|  |  | consignmentIdentification | Reference |  |
|  |  | deliveryNote | Reference |  |
|  |  | orderIdentification | Reference |  |
|  |  | <<choice>> | EstimatedDelivery |  |
|  |  | <<choice>> | ActualShipping |  |
| DespatchItem |  |  |  | BMS Common Library Version 2.0.0 |
|  |  | inheritance | LineItem |  |
|  |  | <<choice>> | TradeItemUnit |  |
|  |  | <<choice>> | LogisticUnits |  |
| DetailLevelReference |  |  |  | BMS Common Library Version 2.0.0 |
|  |  | inheritance | LineItem |  |
|  |  | none | Reference |  |
| Document |  |  |  | BMS Common Library Version 2.0.0 |
| EntityIdentification |  |  |  | BMS Common Library Version 2.0.0 |
| EstimatedDelivery |  |  |  | Despatch Advice BRD 11/11/04 V 1.0.9.3 |
|  | estimatedDeliveryDateTime |  |  |  |
|  | actualShipDateTime |  |  |  |
| ItemContainment |  |  |  | BMS Common Library Version 2.0.0 |
|  | quantityContained |  | MultiMeasurementValue |  |
|  |  | listForEachItem | SpecificItemData |  |
|  |  | none | AdditionalItemData |  |
|  |  | extendedAttributes | TransactionalItemData |  |
|  |  | containedItemIdentification | TradeItemIdentification |  |
|  |  | orderIdentification | DetailLevelReference |  |
|  |  | contract | DetailLevelReference |  |
|  |  | deliveryNote | DetailLevelReference |  |
|  |  | consignmentIdentification | DetailLevelReference |  |
| LineItem |  |  |  | BMS Common Library Version 2.0.0 |
| LogisticUnits |  |  |  | BMS Common Library Version 2.0.0 |
|  | identification |  |  |  |
|  |  | itemsContained | ItemContainment |  |
| PartyIdentification |  |  |  | BMS Common Library Version 2.0.0 |
| Reference |  |  |  | BMS Common Library Version 2.0.0 |
| SpecificItemData |  |  |  | BMS Common Library Version 2.0.0 |
|  | serial |  |  |  |
| TradeItemIdentification |  |  |  | BMS Common Library Version 2.0.0 |
| TradeItemUnit |  |  |  | BMS Common Library Version 2.0.0 |
|  |  | itemContained | ItemContainment |  |
| TransactionalItemData |  |  |  | BMS Common Library Version 2.0.0 |
|  | itemExpirationData |  |  |  |
|  | sellByDate |  |  |  |
|  | availableForSaleDate |  |  |  |
|  | productionDate |  |  |  |
|  | lotNumber |  |  |  |
|  | quantityContained |  |  |  |
|  |  |  |  |  |

### GDD Report

| **Class (ABIE)** | **Attribute (BBIE)** | **Association (ASBIE)** | **Secondary Class** | **Official Dictionary Entry Name** | **Definition** | **Multiplicity** |
| --- | --- | --- | --- | --- | --- | --- |
| ActualShipping |  |  | Despatch Advice BRD 11/11/04 V 1.0.9.3 | ActualShipping.Details | ActualShipping has a choice association from the DespatchAdvice class. It contains the attributes actualShipDateTime and estimatedDeliveryDateTime. |  |
|  | actualShipDateTime |  |  | Actual Shipping. Actual Ship\_ Date Time. Date Time | DateTime- The date and time the goods were shipped. The format is ISO 8601 CCYY-MM-DD “T” HH:MM:SS for all Date Time types. | 1.1 |
|  | estimatedDeliveryDateTime |  |  | Actual Shipping. Estimated Delivery\_ Date Time. Date Time | DateTime- The estimated date and time of delivery. | 0..1 |
| AdditionalItemData |  |  |  | DataEntryName Needed | ItemContainment has AdditionalItemData. AdditionalItemData contains the at DataEntryName Needed tributes shelfLife and productionDate. It’s association is 0..1, showing that if the class is used, both attributes are used because if there is a shelfLife, there must be a productionDate. |  |
|  | shelfLife |  |  | DataEntryName Needed | String - Period of time in which the product can be offered for sale. | 1..1 |
|  | productionDate |  |  | DataEntryName Needed | Date - The date that the product was produced. | 1..1 |
| DespatchAdvice |  |  |  | Despatch Advice. Details | The DespatchAdvice class is the data class that creates the advice message that the Shipper sends to the Receiver. This class inherits data directly from the class called document, which means it inherits the attributes contentVersion, creation-Date, documentStructureVersion and lastUpdateDate. De-spatchAdvice has relationships with other classes as well, that allow the DespatchAdvice message to have meaning when sent to the Receiver. It is important to note that every class serves the root class – DespatchAdvice. The classes that De-spatchAdvice directly “touches” are in turn served by other classes that provide intelligence through direct and indirect relationships to the root class. |  |
|  |  | carrier | PartyIdentification | Despatch Advice. Carrier. Party Identification | Carrier charged with delivery of goods. | 1..\* |
|  |  | shipper | PartyIdentification | Despatch Advice. Shipper. Party Identification | A party who engages in shipping goods. | 1.1 |
|  |  | shipFrom | PartyIdentification | Despatch Advice. Ship From. Party Identification | Identification of the location from where goods wll be or have been shipped. | 0..1 |
|  |  | shipTo | PartyIdentification | Despatch Advice. Ship To. Party Identification | Identification of the location to where goods will be or have been shipped. | 1..1 |
|  |  | receiver | PartyIdentification | Despatch Advice. Receiver. Party Identification | A party who engages in receiving goods. | 1.1 |
|  |  | none (inheritance) | Document | Despatch Advice. Inheritance\_ Association. Electronic\_ Document. Details |  |  |
|  |  | despatchAdviceIdentification | EntityIdentification | Despatch Advice. Identification. Entity Identification | N/A | 1..1 |
|  |  | none | DespatchItem | Despatch Advice. Association. Despatch Advice Line |  | 1..\* |
|  |  | contract | Reference | Despatch Advice. Order Identification. Entity Reference | For DespatchAdvice class: the specific contract referenced by the Despatch Advice. | 0..1 |
|  |  | consignmentIdentification | Reference | Despatch Advice. Consignment. Entity Reference | For DespatchAdvice class: unique identification of the receiver. | 0..1 |
|  |  | deliveryNote | Reference | Despatch Advice. Delivery Note. Entity Reference | For DespatchAdvice class: note accompanying the despatch advice. | 0..1 |
|  |  | orderIdentification | Reference | Despatch Advice. Order. Entity Reference | N/A | 0..1 |
|  |  | <<choice>> | EstimatedDelivery | DataEntryName Needed |  | 1..1 |
|  |  | <<choice>> | ActualShipping | DataEntryName Needed |  | 1..1 |
| DespatchItem |  |  |  | Despatch Advice Line. Details | DespatchAdvice has a DespatchItem, from which it gains spe-cific information about the item(s) that will be detailed in the despatch. DespatchItem has direct relationships with LineItem, from which it inherits line item numbers. DespatchItem also has a choice relationship with LogisticUnits and TradeItemUnit, in order to provide the DespatchAdvice with specific information about either a trade item or a logistic unit. |  |
|  |  | inheritance | LineItem | Despatch Advice Line. Inheritance\_ Association. Line Item |  |  |
|  |  | <<choice>> | TradeItemUnit | Despatch Advice Line. Choice\_ Association. Trade Item Unit Information |  | 1..1 |
|  |  | <<choice>> | LogisticUnits | Despatch Advice Line. Choice\_ Association. Logistic Unit |  | 1.1 |
| DetailLevelReference |  |  |  | DataEntryName Needed | This class was included to accommodate the requirement for identifying the reference document line number per despatch advice line number. It does this using it’s associations with ItemContainment and its association with Reference. |  |
|  |  | inheritance | LineItem | DataEntryName Needed |  |  |
|  |  | none | Reference | DataEntryName Needed |  | 1..1 |
| Document |  |  |  | Electronic\_ Document. Details | This external class originates with Document from the common library. | M |
| EntityIdentification |  |  |  | Entity Identification. Details | This external class originates from Entity Identification. |  |
| EstimatedDelivery |  |  |  | DataEntryName Needed | EstimatedDelivery has a choice association with the DespatchAdvice class. It also contains the attributes actualShipDateTime and estimatedDeliveryDateTime. |  |
|  | estimatedDeliveryDateTime |  |  | DataEntryName Needed | DateTime - The estimated date and time of delivery. | 1..1 |
|  | actualShipDateTime |  |  |  | DateTime - The date and time the goods were shipped. | 0..1 |
| ItemContainment |  |  |  | Despatch Item. Details | The class ItemContainment provides a method to associate an item with a quantity for the purpose of specifying the contents of despatch (logistics) units. It contains the attribute quantityContained, referring to the quantity contained in the despatch advice. Its association role with TradeItemUnit is itemContained, referring to the individual trade item. Its association role with LogisticUnits is the plural, itemsContained, referring to items contained in a certain higher level of packaging than the item level, i.e. pallet or case. |  |
|  | quantityContained |  | MultiMeasurementValue | Despatch Item. Contained\_ Quantity. Quantity | Measurement - The number of units shipped of the order unit or associated item. The unit of measure for the quantity is assumed to be the same as for the associated item. Thus the quantity must be specified in the same unit of measure as the item, e.g. case, each, etc… | 1..1 |
|  |  | listForEachItem | SpecificItemData | Despatch Item. List For Each Item. Serialised\_ Despatch Item | The list of SSCCs or GTINs for the associated items despatched | 0..\* |
|  |  | none | AdditionalItemData | Despatch Item. Association. Additional\_ Trade Item Containment Line |  | 0..1 |
|  |  | extendedAttributes | TransactionalItemData | Despatch Item. Extended Attributes. Transactional\_ Trade Item Containment Line | The association role indicates the enhancement the association gives to the ItemContainment. | 0..1 |
|  |  | containedItemIdentification | TradeItemIdentification | Despatch Item. Identification. Trade Item Identification | This will be a GTIN. | 1..1 |
|  |  | orderIdentification | DetailLevelReference | Despatch Item. Order\_ Association. Despatch Advice\_Line Item\_ Detail Level Reference | Unique reference number to identify the receiver’s purchase. | 0..1 |
|  |  | contract | DetailLevelReference | Despatch Item. Contract\_ Association. Despatch Advice\_Line Item\_ Detail Level Reference | The specific contract referenced by the Despatch Advice. | 0..1 |
|  |  | deliveryNote | DetailLevelReference | Despatch Item. Delivery Note\_ Association. Despatch Advice\_Line Item\_ Detail Level Reference | Note accompanying the Despatch Advice. | 0..1 |
|  |  | consignmentIdentification | DetailLevelReference | Despatch Item. Consignment\_ Association. Despatch Advice\_Line Item\_ Detail Level Reference | Unique identification of the receiver. | 0..1 |
| LineItem |  |  |  | Line Item. Details | This external class originates from Document. |  |
| LogisticUnits |  |  |  | DataEntryName Needed | LogisticUnits is used to specify the serial and the SSCC when defining the item contents for a single despatched unit (mixed pack). Where TradeItemUnit identifies a specific item, Logis-ticUnits identifies items in packs/cases/pallets, etc…. in a shipment. LogisticUnits is a <<choice>> off of DespatchItem because the Despatch Advice may involve trade items, not LogisticUnits. LogisticUnits has one attribute called identification. LogisticU-nits in turn has ItemContainment, in order to gain quantity intelligence. |  |
|  | identification |  |  | DataEntryName Needed | SSCC - A globally unique identifier assigned to a logistics unit. | 1..1 |
|  |  | itemsContained | ItemContainment | DataEntryName Needed | Its association role with LogisticUnits is the plural, itemsContained, referring to items contained in a certain higher level of packaging than the item level, i.e. pallet or case. | 1..\* |
| PartyIdentification |  |  |  | Party Identification. Details | This external class originates from Party Identification. |  |
| Reference |  |  |  | Entity Reference. Details | This external class originates with Reference from the common library. |  |
| SpecificItemData |  |  |  | DataEntryName Needed | ItemContainment has SpecificItemData which has the attribute serial. SpecificItemData might be used by ItemContainment to specify the list of SSCCs for the associated items despatched. When this class is used, the count of SSCCs must equal the quantity shipped for the item. |  |
|  | serial |  |  | DataEntryName Needed | String - A globally unique identifier assigned to a logistics unit. | 1..1 |
| TradeItemIdentification |  |  |  | Trade Item Identification. Details | ItemContainment has TradeItemIdentification for the purpose of identifying the trade item(s) in the ItemContainment, i.e. by using GTIN. TradeItemIdentification originates from the common class of the same name and is used in many class diagrams. It has the association role of containedItemIdentification with ItemContainment. |  |
| TradeItemUnit |  |  |  | DataEntryName Needed | TradeItemUnit is a <<choice>> off of DespatchItem because the Despatch Advice may involve Logistic Units, not TradeItems. TradeItemUnit in turn has ItemContainment, in order to gain quantity intelligence. |  |
|  |  | itemContained | ItemContainment | DataEntryName Needed | Its association role with TradeItemUnit is itemContained, referring to the individual trade item. | 1..1 |
| TransactionalItemData |  |  |  | DataEntryName Needed | ItemContainment has TransactionalItemData. Transaction-alItemData allows for specific item data as indicated by its attributes itemExpirationDate, lotNumber, quantityContained, sellByDate, productionDate and availableForSaleDate. The association role indicates the enhancement the association gives to ItemContainment. productionDate is included in this class because it may be used by itself, without shelfLife. |  |
|  | itemExpirationData |  |  | DataEntryName Needed | Date - The maximum durability of an item CCYY-MM-DD. The format is ISO 8601 CCYY-MM-DD for all data types. | 0..1 |
|  | sellByDate |  |  | DataEntryName Needed | Date - Maximum durability date of an item CCYY-MM-DD. | 0..1 |
|  | availableForSaleDate |  |  | DataEntryName Needed | Date - The date the item is available for sale represented in CCYY-MM-DD. | 0..1 |
|  | productionDate |  |  | DataEntryName Needed | Date - The date that the product was produced. | 0..1 |
|  | lotNumber |  |  | DataEntryName Needed | String - The batch or lot number of a trade item. | 0..1 |
|  | quantityContained |  |  | DataEntryName Needed | Measurement - The number of units shipped of the order unit or associated item. The unit of measure for the quantity is assumed to be the same as for the associated item. Thus the quantity must be specified in the same unit of measure as the item, e.g. case, each, etc. | 0..1 |
|  |  |  |  |  |  |  |

### Class Diagrams



### Code Lists

None

|  |  |
| --- | --- |
| **Code List Name** | **Code List Description** |
|  |  |
| **Code Name** | **Code Description** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

|  |  |
| --- | --- |
| **Code List Name** | **Code List Description** |
|  |  |
| **Code Name** | **Code Description** |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

## Business Document Example

Not filled in the previous BRAD

## Implementation considerations

One of the requirements specified in the BRW Version 0.3 of 8 December, 2003 is as follows:

The Despatch Advice should also include the line sequence numbers (UML: number) from the documents (Order, Delivery Note, Consignment and Contract) that can be referenced to. These line sequence numbers for referenced documents are optional.

**For example:**

**Despatch Advice Reference Reference Document**

**line nbr Identification and Date line nbr**

**1 Order 933, Date 2004-04-12 25**

**2 Order 934, Date 2004-05-12 9**

**3 Order 990, Date 2004-06-12 1**

The idea behind this is that if a despatch advice refers to one

order or contract or despatch note or consignment note the

reference is identified at the header level and that then applies to all item lines.

If a despatch advice is referring to more than one order or contract or

despatch note or consignment note then the reference is identified at the detail level

through the DetailLevelReference.

## Testing

### Pass / Fail Criteria

*Unit testing criteria for business solution.*

| **Number** | **Test Criteria** | **Related Requirement** | **Design Element** | **Pass Criteria** | **Fail Criteria** |
| --- | --- | --- | --- | --- | --- |
| ***1*** |  |  |  |  |  |
| ***2*** |  |  |  |  |  |
| ***3*** |  |  |  |  |  |

### Test Data

Test data is detailed in section 1.7.

## Appendices

## Summary of Changes

*(Details changes to BMS for each version by BMS Section)*

|  |  |  |
| --- | --- | --- |
| **Change** | **BMS Version** | **Associated CR Number** |
|  |  |  |

# XML Technical Solution ITRG Packet

The Technical Representation of the Business process is documented in a Technical So-lution ITRG Packet containing all supplemental XML artefacts and is used by the Information Requirements Group (ITRG) to evaluate the solution. Upon approval from the Infor-mation Technical Requirements Group (ITRG), the Technical Solution ITRG Packet is updated to the Technical Solution Implementers Packet and published with the Business

Message Standard at:

<http://www.ean-ucc.org/global_smp/ean.ucc_standards.htm.>

Technical Solution ITRG Packet Content:

* Business Message Standard (BMS)
* ITRG Review Packet
  + Style Sheet: This HTML has been created using a Style Sheet that is a visual representation of the data. It is not an actual Style Sheet, but an ex-ample of what a Style Sheet may look like.
  + Instance File: The Instance File is an example of what the schema may look like when it includes live data. This can be used as comparison to a completed schema and can serve as a point of reference for development.
  + Technical Level GDD Report

Technical Solution Implementers Packet Content:

Contains all the message specific.XSD files required to implement

Example:

* AS2Envelope
* Command.xsd
* DocumentCommand.xsd
* Proxy.xsd
* ComponentLibrary.xsd

Both the Business Message Standard and the Implementers Packet are available during the ITRG Review Period in the working documents section of the ITRG eRoom:

<http://eroom.uc-council.org/eRoom/facility/InformationTechnicalAssessmentGroupITAG/0_14f7>

All documents for review will be in this folder listed by name of the Change Request and Change Request Number. The Business Message Standard is not open for review, but offered as the basis for determining the suitability of the technical solutions.

This eRoom may be accessed by using the following User Name and Password:

User Name: guest

Password: guest