

[YOUR COMPANY LOGO HERE]

DEVELOPMENT & CONSULTANCY SERVICES

Interface Requirements Specification:

CUSTOMER NAME WITHHELD MOBILE WEB SITE

1 Identification	
1.1 Title	Interface Requirements Specification (IRS)
2 Name of Project/Abbreviation	<i>Customer Name Withheld</i> Mobile Web Site
3 Version	1.2
4 Security	CONFIDENTIAL
5 Prepared For	
5.1 Name	<i>Customer Name Withheld</i>
5.2 Organization	<i>Customer Name Withheld</i>
6 Prepared By	
6.1 Name	Your company contact here
6.2 Office	Information Systems
6.3 Organization	Your company name here
6.4 Address	Your company address here
7 Release Date (YYYY-MM-DD)	2003-08-06
8 Distribution Statement	Approved for customer release. Distribution is limited
9 Contents	This section comprises a detailed description of the interface requirements of the project. Each sub-section that follows in the document is assumed to be preceded by the number 9. For e.g. the actual number for Scope is 9.1

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1 SCOPE

1.1 IDENTIFICATION

The Interface Requirements Specification (IRS) defines and records the requirements to be met by the system or subsystem. This IRS specifies the requirements for a system or subsystem and the methods to be used to ensure that each requirement has been met. As such it focuses on WHAT data the system should transfer, and not how it should be done. The internal workings of the system are covered in a separate design document.

This *Customer Name Withheld* Mobile Web Site IRS draft is open to discussions and revisions. However, the final revised document will have to be approved and signed off by the customer (please see the enclosed Software Development Agreement). [Your company name here] will commence work on the software design and development only after receiving the IRS Sign Off sheet from *Customer Name Withheld*.

Note:

- 1 After the *Customer Name Withheld* Mobile Web Site IRS is approved, please sign the Software Development Agreement and fax (03 XXXX XXXX) a copy to [Your company name here].

1.2 SYSTEM OVERVIEW

The project is sponsored by *Customer Name Withheld*. The project will be acquired by *Customer Name Withheld* and will be used by their Administrators and Customers. The developer for this project will be [Your company name here], who will undertake all design and development including complete Project Management to ensure that the project is delivered on time and within budget. The system is planned for release in Japan and will be hosted in Japan.

The *Customer Name Withheld* Mobile Web Site has three main sections – Admin, User and Interface components. The User section enables the customers to search for products, view details and order the products. All users can also view information on products and instructions for use, register with the site, and submit a request for the product catalogue. The Interface components enable the site to import/export data to and from the *Customer Name Withheld* J mainframe. The goal is to convert the “all-manual” system to a semi-automatic one using the Administration system and specific Streams (data files). The management of the entire mobile website is done using the Admin section which includes the What’s New, Brand Management, Product Management, Customer Management, Effort Code Management, Offer Management and Collection Management sections.

1.3 DOCUMENT OVERVIEW

This document contains all the interface requirements dealing with the communication between the Online BO (Web site database) and the Offline BO (*Customer Name Withheld* Mainframe). It includes the Descriptions, Detailed Technical Stream Definitions and sample data for Offers, Orders, Catalogues, Customers and Products.

1.4 DOCUMENT CONVENTIONS

The following conventions are used in this document:

- The sample files have been displayed in greyed boxes.

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- The values within the files have been displayed as black and bold.

1.5 INTENDED AUDIENCE AND READING SUGGESTIONS

The *Customer Name Withheld* Mobile Web Site IRS is intended to be read by the technical users at *Customer Name Withheld*. It explains the technical interface components relating to the mainframe communication of the *Customer Name Withheld* Mobile Web Site.

It is recommended that readers read the system and document overview before proceeding to the External Interface Requirements section. Important information has also been included in the Appendix sections (please see below).

Appendix A: The different terms used in the IRS have been outlined in the Glossary.

Appendix B: This comprises the list of items still to be determined.

Appendix C: A log of the changes made to the document is maintained in this section.

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2 REFERENCED DOCUMENTS

The files that have been referenced in this *Customer Name Withheld* Mobile Web Site Interface Requirements Specification have been listed below.

NO.	FILE NAME	DOCUMENT TITLE	DATE PREPARED	PREPARED BY
1.	Keitai site V2.doc	Additional technical requirements for <i>Customer Name Withheld</i> J mobile web site – Technical Specifications	July 2003	<i>Customer Name Withheld</i>

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3 EXTERNAL INTERFACE REQUIREMENTS

This section lists all the streams that are exchanged between the mainframe and the online database. There will be a backup for all the streams to allow the *Customer Name Withheld* admin to view any stream exchanged in the past. The backup for each stream will be saved in a date folder on the *Customer Name Withheld* network. The .Net system will connect to the *Customer Name Withheld* network and automatically FTP and create this date folder.

3.1 OFFER STREAM

3.1.1 Simple Offer Stream

3.1.1.1 Identity Card

Item	Value
Macro description	This stream transports general information about offers.
Source system	Offline BO
Target system	Mobile site database
Frequency	Ad-Hoc
Output	Updates to the Online BO database and Log file
Entities involved	Offers
Mode of communication required?	Asynchronous
Error cases and reject cases	Error file
Priority (1 to 5)	
Weight	
Protocol	FTP
Information to be secured?	
Transport mechanism to be secured?	

3.1.1.2 Detailed Technical Stream Definition

Element	Data Type	Size	Required	Note
Code	String	50	Y	The code of the offer
Year	Integer		Y	Year of application of the offer.
ActionID	String	100	Y	
OfflineLabel	String	100	Y	Label of the offer in the offline Back-office system
HelpText	String	200	N	
StartYear	Integer		Y	

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StartWeek	Integer		Y	The week is assumed to start on a Sunday midnight. Eg. If Week #1 (Jan 1 st) is a Friday, then week 1 will start on Sunday 03 at 00:00:00 hours. And will end on Saturday 9 th at 23:59:59 hours
EndYear	Integer		Y	
EndWeek	Integer		Y	See note for StartWeek above
OfferTypeID	String	50	Y	
AppliedPriceList	Integer		Y	Price used for this offer from the price list

3.1.1.3 Sample

066; 2003; 49; Offer 100; bla bla ...; 2003; 22; 2003; 33; Type 2; 1 067; 2003; 49; Offer 110; bla bla ...; 2003; 22; 2003; 33; Type 2; 1 068; 2003; 49; Offer 120; bla bla ...; 2003; 22; 2003; 33; Type 2; 1 160; 2003; 17; Offer 130; bla bla ...; 2003; 22; 2003; 33; Type 2; 1 161; 2003; 17; Offer 140; bla bla ...; 2003; 22; 2003; 33; Type 2; 1 162; 2003; 17; Offer 150; bla bla ...; 2003; 22; 2003; 33; Type 2; 1
--

3.1.2 Simple Offer Benefits Stream

3.1.2.1 Description

Item	Value
Macro description	This stream transports information about simple offers benefits.
Source system	Offline BO (Japan)
Target system	Mobile site data base
Frequency	Ad-Hoc
Output	Updates to the mobile site database and Log file
Entities involved	Offers
Mode of communication required?	Asynchronous
Error cases and reject cases	Error file
Priority (1 to 5)	
Weight	
Protocol	FTP
Information to be secured?	
Transport mechanism to be secured?	
Remark(s)	

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3.1.2.2 Detailed Technical Stream Definition

Element	Data Type	Size	Required	Note
Code	String	50	Y	The code of the offer
MinOrderedAmount	Float		N	Minimum ordered amount to get benefit
MinOrderedQuantity	Integer		N	Minimum ordered quantity to get benefit
ConditionLineNo	Integer		N	Line number on which condition is applied
ConditionEntityType	String	10	N	Entity type on which condition is applied (Family, Segment, Sub-Segment, Product, Creator, Brand, ProductLine, Article or Order)
ConditionEntityID	String	50	N	Entity identifier on which condition is applied
Benefit	String	20	N	The type of benefit (Gift, Discount, Crossed Out Price, Open Set, Closed Set, Delayed Billing, Payment Method, Shipping Fee or Delivery Channel)
DiscountType	String	1	N	# for amount % for percentage
DiscountValue	Float		N	Value of the discount
Price	Float		N	New applied price
BenefitEntityType	String	10	N	Entity type on which benefit is defined (Family, Segment, Sub-Segment, Product, Creator, Brand, ProductLine, Article, Payment Method, Delivery Channel or OrderLine)
BenefitEntityID	String	50	N	Entity identifier on which benefit is defined
MaxOrderedQuantity	Integer		N	Maximum ordered quantity when using benefit

- Each row represents a benefit within an offer.
- Columns from “MinOrderedAmount” to “ConditionEntityID”, hold information about conditions to get benefit.
- Columns from “Benefit” on hold information about the benefit itself.
- Process during the exportation of the stream
- The referenced offers should have been sent before in stream “Simple Offers”.
- Process during the importation of the stream
- Check whether the referenced offer exists, in which case, attach benefit to offer.

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3.1.2.3 Sample

100; ; 1; ; ; ; Gift; ; ; ; Article No; 9000001;
100; ; 2; ; ; ; Gift; ; ; ; Article No; 9000002;
110; ; 2; ; ; ; Discount; #; 5; ; Order Line; 0;
110; ; 1; ; Creator; Cosmence; Discount; %; 30; ; Order Line; 0;
110; ; 1; ; ; ; Shipping Fee; ; ; 0; ; ;
120; ; 1; ; Creator; AgnesB; Discount; %; 50; ; Creator; AgnesB;
130; ; 1; 1; ; ; Discount; %; 100; ; Order Line; 2;
130; ; 2; ; ; ; Discount; #; 10; ; Order Line; 0;
140; ; 1; ; Article No; 900004; Discount; #; 7; ; Order Line; 0;
140; 3500; ; ; ; Gift; ; ; ; Article No; 9000003;
150; ; 2; ; ; ; Open Set; ; ; 20; Open Set; OS01;
150; ; ; ; ; Closed Set; ; ; 10; Closed Set; CS01;

In this example, offer 140 is made of two benefits:

- Get a 7 local money units discount on all order lines (order line = 0), if you order at least a quantity of 1 of article 900004
- Get article 900003 as a gift if your order amount exceeds 3500 local money units

3.2 ORDER STREAM

They will be made of two different streams sensibly different from those currently in use.

3.2.1 Online Purchase Orders Stream

Item	Value
Macro description	This stream transports information about online purchase orders.
Source system	Online BO
Target system	Corresponding national Offline BO
Frequency	Daily for classical / normal orders. 3 or 4 times a day for 24 hours & relay orders.
Output	Updates to the Offline BO database and Log file
Entities involved	Orders, Addresses and Customers
Mode of communication required?	Asynchronous
Error cases and reject cases	Error file
Priority (1 to 5)	
Weight	

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Protocol	FTP
Information to be secured?	Y: transaction ID may be present in the stream
Transport mechanism to be secured?	Y: orders MUST be processed by offline BO
Remark(s)	Off line checks and online checks will have to be defined.

3.2.1.1 Detailed Technical Stream Definition

Element	Data Type	Size	Required	Note
PONumber	String	50	Y	PO online identifier
POAddressNumber	Integer		Y	Gives the address number (1, 2, 3, ...) in a multi-shipping context. Default value = 1.
PODate	Date		Y	Date of the PO
OnlineCustomerID	String	50	Y	Customer online identifier
OfflineCustomerID	String	50	N	Customer offline identifier
Keycode	String	50	Y	Used Keycode
IsPresent	Boolean		Y	Is the PO a present?
BillingCivility	String	1	Y	1: Mr, 2: Mrs, 3: Ms, 4: None
BillingFirstName	String	100	Y	
BillingLastName	String	100	Y	
BillingOtherName	String	200	N	Alternate name (e.g. Kana for Japan)
BillingEMailAddress	String	50	Y	
BillingPhone	String	50	N	
BillingMobilePhone	String	50	N	
BillingFax	String	50	N	
BillingAddressNumber	String	200	N	Number in the street
BillingAddressType	String	200	N	Street, Avenue ...
BillingAddressName	String	200	Y	Name of the street
BillingAddressPlus1	String	200	N	Additional address information
BillingAddressPlus2	String	200	N	Additional address information
BillingCity	String	200	Y	
BillingZipCode	String	20	Y	

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BillingState	String	100	N	
BillingCountry	String	50	Y	
BillingBirthDate	Date		N	
ShippingCivility	String	1	N	1: Mr, 2: Mrs, 3: Ms, 4: None
ShippingFirstName	String	100	N	
ShippingLastName	String	100	Y	
ShippingOtherName	String	200	N	Alternate name (e.g. Kana for Japan)
ShippingEMailAddress	String	50	N	
ShippingPhone	String	50	N	
ShippingMobilePhone	String	50	N	
ShippingFax	String	50	N	
ShippingAddressNumber	String	200	N	Number in the street
ShippingAddressType	String	200	N	Street, Avenue ...
ShippingAddressName	String	200	N	Name of the street
ShippingAddressPlus1	String	200	N	Additional address information
ShippingAddressPlus2	String	200	N	Additional address information
ShippingCity	String	200	Y	
ShippingZipCode	String	20	Y	
ShippingState	String	100	N	
ShippingCountry	String	50	Y	
ShippingBirthDate	Date		N	
LineCount	Integer		Y	Line count in the PO
TotalAmount	Float		Y	
TotalRebate	Float		Y	
AppliedPromotionType	String	1	N	Gives the type of promotion applied to the current order. %: percentage rebate V: Absolute value rebate
AppliedPromotionValue	Float		N	Value of rebate.
PaymentMode	Integer		Y	
PaymentModeFee	Float		Y	

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TransactionID	String	50		Identifier of the online credit card payment request
AuthorisationID	String	50		Identifier of the online credit card payment authorization
ShippingPartner	String	100	Y	The name of the partner used for shipping
DeliveryType	String	10	Y	
DeliveryFee	Float		Y	
AdditionalDeliveryFee	Float		N	
Relay	String	100	N	Relay name
TAXCost	Float		Y	
CustomerMessage	String	200	N	

Only purchase orders that have been checked out are sent in this stream.

A waiting delay (half an hour) will have to be implemented either online or offline.

The export process assumes that during the interactive order process, the following checks have been implemented:

- The total order amount is less than x (to be defined);
- The quantity for each detail line is less or equal to 9;
- The number of daily orders for this customer is less than y (y to be defined);

No check is performed about the ability to use that key code for that customer, except on the date criteria (today ? [begin date; end date]).

Again, some fields will be common to all addresses within the same PO. Others depend on the address.

Fields that are common to all addresses of a PO are:

- OfflinePONumber
- PODate
- OnlinePONumber
- OfflineCustomerID
- Keycode
- AllBillin Fields
- TotalAmount
- TotalRebate
- AppliedPromotionType
- AppliedPromotionValue
- PaymentMode
- PaymentModeFee

Process during the importation of the stream:

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- Check can be made on the zip code of the shipping address.
- Check availability on the article must be made by the offline system. The adequate decision (back order, order line cancel, full order cancel...) is made by the BO offline system.
- The total order amount doesn't need to be re-calculated by the offline BO. The total order amount is supposed to be OK
- No check if the order is founded on a pure online keycode.
- The maximum order amount is customer dependant.
- The online shipping defines the period for receiving the parcel (08/12 or 12/16 or 16/19 or 19/22), not the day.
- Only Normal delivery is available.

Customer checks:

- Address is checked on the zip code table ;
- Black list is defined on the offline system.

3.2.1.2 Sample

```

<Customer Name Withheld_WW_Outgoing_OnlinePurchaseOrders RecordCount="1">
<OnlinePurchaseOrder>
  <PONumber>OnlinePONumber_1</PONumber>
  <POAddressNumber>1</POAddressNumber>
  <PODate>1999-09-09</PODate>
  <OnlineCustomerID>OnlineCustomerID_1</OnlineCustomerID>
  <OfflineCustomerID>OfflineCustomerID_1</OfflineCustomerID>
  <KeyCode>1</KeyCode>
  <IsPresent>0</IsPresent>
  <BillingCivility>BillingCivility_1</BillingCivility>
  <BillingFirstName>BillingFirstName_1</BillingFirstName>
  <BillingLastName>BillingLastName_1</BillingLastName>
  <BillingOtherName>BillingOtherName_1</BillingOtherName>
  <BillingPhone>BillingPhone_1</BillingPhone>
  <BillingEMailAddress>BillingEMailAddress_1</BillingEMailAddress>
  <BillingFax>BillingFax_1</BillingFax>
  <BillingAddressNumber> 1</BillingAddressNumber>
  <BillingAddressType>Avenue </BillingAddressType>
  <BillingAddressName>Simon Bolivar</BillingAddressName>
  <BillingAddressPlus1>BillingAddressPlus1_1</BillingAddressPlus1>
  <BillingAddressPlus2>BillingAddressPlus2_1</BillingAddressPlus2>

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```

<BillingCity>Paris</BillingCity>
<BillingZipCode>75019</BillingZipCode>
<BillingState>BillingState_1</BillingState>
<BillingCountry>France</BillingCountry>
<BillingBirthdate>1999-09-09</BillingBirthdate>
<ShippingCivility>ShippingCivility_1</ShippingCivility>
<ShippingFirstName>ShippingFirstName_1</ShippingFirstName>
<ShippingLastName>ShippingLastName_1</ShippingLastName>
<ShippingOtherName>ShippingOtherName_1</ShippingOtherName>
<ShippingPhone>ShippingPhone_1</ShippingPhone>
<ShippingEMailAddress>ShippingEMailAddress_1</ShippingEMailAddress>
<ShippingFax>ShippingFax_1</ShippingFax>
<ShippingAddressNumber>1</ShippingAddressNumber>
<ShippingAddressType>Avenue </ShippingAddressType>
<ShippingAddressName>Simon Bolivar</ShippingAddressName>
<ShippingAddressPlus1>ShippingAddressPlus1_1 </ShippingAddress2>
<ShippingAddressPlus2>ShippingAddressPlus2_1 </ShippingAddress3>
<ShippingCity>Paris</ShippingCity>
<ShippingZipCode>75019</ShippingZipCode>
<ShippingState>ShippingState_1</ShippingState>
<ShippingCountry>France</ShippingCountry>
<ShippingBirthDate>ShippingBirthDate_1</ShippingBirthDate>
<LineCount>1</LineCount>
<TotalAmount>1.</TotalAmount>
<TotalRebate>1.</TotalRebate>
<AppliedPromotionType>V</AppliedPromotionType>
<AppliedPromotionValue>10</AppliedPromotionValue>
<PaymentMode>1</PaymentMode>
<PaymentModeFee>1.0</PaymentModeFee>
<TransactionID>TransactionID_1</TransactionID>
<ShippingPartner>DP</ShippingPartner>
<DeliveryType>Deliv_1</DeliveryType>
<DeliveryFee>1.0</DeliveryFee>
<AdditionalDeliveryFee>1</AdditionalDeliveryFee>

```

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```

<TAXCost>1.</TAXCost>
<CustomerMessage>CustomerMessage_1</CustomerMessage>
</OnlinePurchaseOrder>
</Customer Name Withheld_WW_Outgoing_OnlinePurchaseOrders>

```

3.2.2 Online Purchase Order Detailed Stream

3.2.2.1 Description

Item	Value
Macro description	This stream transports line information of online order details.
Source system	Online BO
Target system	Mobile site database
Frequency	Daily
Output	Updates to the Offline BO database and Log file
Entities involved	Orders, Addresses and Customers
Mode of communication required?	Asynchronous
Error cases and reject cases	Error file
Priority (1 to 5)	1
Weight	Light
Protocol	FTP
Information to be secured?	Yes
Transport mechanism to be secured?	Yes
Remark(s)	

3.2.2.2 Detailed Technical Stream Definition

Element	Data Type	Size	Required	Note
PONumber	String	50	Y	PO online identifier
POAddressNumber	Integer		Y	Gives the address number (1, 2, 3, ...) in a multi-shipping context. Default value = 1.
LineNumber	Integer		Y	PO line number
IsMainLine	Boolean		Y	Used in the case of multiple lines representing the same order line (open sets, closed sets ...) 1 (default): for the main line (e.g. the one containing the open set reference)

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				0: for other lines (e.g. the ones with the chosen open set contents)
OrderedArticle	String	50	Y	The asked article SKU (item number) in the online purchase order.
OrderedQuantity	String	50	Y	The article quantity asked in the online purchase order.
AppliedPrice	Float		N	Gives the price once a promotion is applied for this purchase order.
AppliedPromotionType	String	1	N	Gives the type of promotion applied to the current article. %: percentage rebate V: Absolute value rebate P: Crossed out price G: Gift Q: New quantity
AppliedPromotionValue	Float		N	Value of rebate. Applicable only for promotion types “%” and “V”

Process during the exportation of the stream

- The Online PO is split into as many rows in this flow as its lines count.
- Information about each line is sent with the PO number.

Process during the importation of the stream

- Check whether the line can be linked to a previously received PO.

3.2.2.3 Sample

```

<Customer      Name      Withheld_WW_Interchange_IN_OnlinePurchaseOrderDetails
RecordCount="2">
<OnlinePurchaseOrderDetail>
  <PONumber>OnlinePONumber_1</PONumber>
  <POAddressNumber>1</POAddressNumber>
  <LineNumber>1</LineNumber>
  <IsMainLine>1</IsMainLine>
  <OrderedArticle>OrderedArticle_1</OrderedArticle>
  <OrderedQuantity>1</OrderedQuantity>
  <AppliedPrice>7</AppliedPrice>
  <AppliedPromotionType>%</AppliedPromotionType>
  <AppliedPromotionValue>30</AppliedPromotionValue>
</OnlinePurchaseOrderDetail>
<OnlinePurchaseOrderDetail>

```

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```

<PONumber>PONumber_1</PONumber>
<POAddressNumber>1</POAddressNumber>
<LineNumber>2</LineNumber>
<IsMainLine>1</IsMainLine>
<OrderedArticle>OrderedArticle_2</OrderedArticle>
<OrderedQuantity>2</OrderedQuantity>
<AppliedPrice>15</AppliedPrice>
<AppliedPromotionType>V</AppliedPromotionType>
<AppliedPromotionValue>5</AppliedPromotionValue>
</OnlinePurchaseOrderDetail>
</Customer Name Withheld_WW_Interchange_IN_OnlinePurchaseOrderDetails>

```

3.3 CATALOGUE STREAM

3.3.1 Catalogue Request Stream

3.3.1.1 Description

Item	Value
Macro description	This stream transports information about internet users (customers or not) that have requested for a catalogue.
Source system	Online BO
Target system	Corresponding Offline BO
Frequency	Ad-Hoc
Output	Updates to the mobile site database and Log file
Entities involved	Customers and Visitors
Mode of communication required?	Asynchronous
Error cases and reject cases	Error file
Priority (1 to 5)	
Weight	Light
Protocol	FTP
Information to be secured?	No
Transport mechanism to be secured?	No
Remark(s)	An online catalogue request is not necessary defined by a <i>Customer Name Withheld</i> customer (neither online nor offline): any visitor can request a catalogue.

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3.3.1.2 Detailed Technical Stream Definition

Element	Data Type	Size	Required	Note
RequestDate	DateTime		Y	Catalogue request date
Keycode	String	50	Y	The used Keycode
OnlineCustomerID	String	50	N	Customer online identifier
OfflineCustomerID	String	50	N	Customer Offline identifier
Civility	String	1	Y	1: Mr, 2: Mrs, 3: Ms, 4: None
FirstName	String	100	Y	
LastName	String	100	Y	
OtherName	String	200	N	Alternate name (e.g. Kana)
EEmailAddress	String	50	Y	
Phone	String	50	N	
MobilePhone	String	50	N	
Fax	String	50	N	
AddressNumber	String	200	N	
AddressType	String	200	N	Street, Avenue ...
AddressName	String	200	Y	
AddressPlus1	String	200	N	
AddressPlus2	String	200	N	
City	String	200	Y	
ZipCode	String	20	Y	
State	String	100	N	
Country	String	50	Y	
BirthDate	Date		N	
Notes	String	200	N	
CustomerMessage	String	200	N	

3.3.1.3 Sample

```
<Customer Name Withheld_WW_Outgoing_CatalogueRequests RecordCount="1">
<CatalogueRequest>
  <RequestDate>1999-09-09</RequestDate>
  <Keycode>Keycode_1</Keycode>
```

Prepared by	Date	Ref	File
[Your company name here]	August 6, 2003	1.2	Customer Name Withheld Mobile Web Site IRS 1.2

```

<OnlineCustomerID>OnlineCustomerID_1</OnlineCustomerID>
<OfflineCustomerID>OfflineCustomerID_1</OfflineCustomerID>
<Civility>Civility_1</Civility>
<FirstName>FirstName_1</FirstName>
<LastName>LastName_1</LastName>
<OtherName>OtherName_1</OtherName>
<EmailAddress>EmailAddress_1</EmailAddress>
<Phone>Phone_1</Phone>
<Mobile Phone>MobilePhone_1</Mobile Phone>
<Fax>Fax_1</Fax>
<AddressNumber>1</AddressNumber>
<AddressType>AddressType_1</AddressType>
<AddressName>AddressName_1</AddressName>
<AddressPlus1>AddressPlus1_1</AddressPlus1>
<AddressPlus2>AddressPlus2_1</AddressPlus2>
<City>City_1</City>
<ZipCode>PostalCode_1</ZipCode>
<State>State_1</State>
<Country>Country_1</Country>
<BirthDate>1999-09-09</BirthDate>
<Notes>Notes_1</Notes>
<CustomerMessage>CustomerMessage_1</CustomerMessage>
</CatalogueRequest>
</Customer Name Withheld_WW_Outgoing_CatalogueRequests>

```

3.4 CUSTOMER STREAM

This stream transmits information about online customers to *Customer Name Withheld J's* mainframe database.

3.4.1 Customer Stream

3.4.1.1 Description

Item	Value
Macro description	This stream transports information about online customers.
Source system	Mobile web site

<i>Prepared by</i>	<i>Date</i>	<i>Ref</i>	<i>File</i>
[Your company name here]	August 6, 2003	1.2	Customer Name Withheld Mobile Web Site IRS 1.2

Target system	Corresponding Offline BO
Frequency	Daily
Output	Updates to the Offline BO database and Log file
Entities involved	Customers
Mode of communication required?	Asynchronous
Error cases and reject cases	Error file
Priority (1 to 5)	
Weight	Light
Protocol	FTP
Information to be secured?	No
Transport mechanism to be secured?	Yes
Remark(s)	<p>The online customer stream represents any customer in the online back office.</p> <p>This stream deals with customers only, not the prospects.</p> <p>New customers must be transmitted to the offline back office. This stream is dedicated to this synchronization.</p> <p>For the insertion case, online customers that have been defined from the offline BO are not concerned by this stream.</p> <p>However, for updating and for “deleting” customers in the offline back office, online customers that have been defined from the offline BO are concerned by this stream.</p>

3.4.1.2 Detailed Technical Stream Information

- The online customers’ list contains at least one customer.
- A customer definition aggregates information concerning this customer, identified by the online BO customer number.
- Most of the elements are optional. Thus, if the offline BO does not have optional information, the process won’t export the information.
- However, in future evolutions of the offline BO, the exportation of all fields can be implemented without any change from the online point of view, and reciprocally.

The following table depicts the stream structure

Element	Data Type	Size	Required	Note
OnlineCustomerID	String	50	Y	Customer online identifier
OfflineCustomerID	String	50	N	Customer offline identifier
Civility	String	1	Y	1: Mr, 2: Mrs, 3: Ms,

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[Your company name here]	August 6, 2003	1.2	Customer Name Withheld Mobile Web Site IRS 1.2

				4: None
FirstName	String	100	Y	
LastName	String	100	Y	
OtherName	String	200	N	Alternate name (e.g. Kana)
EMailAddress	String	50	Y	
Phone	String	50	N	
MobilePhone	String	50	N	
Fax	String	50	N	
AddressNumber	String	200	N	
AddressType	String	200	N	Street, Avenue ...
AddressName	String	200	Y	
AddressPlus1	String	200	N	
AddressPlus2	String	200	N	
City	String	200	Y	
ZipCode	String	20	Y	
State	String	100	N	
Country	String	50	Y	
BirthDate	Date		N	
PreferredLanguage	Integer		N	Preferred language code
CreationDate	DateTime		Y	
LastUpdateDate	DateTime		Y	
MaxOrderedAmount	Float		N	
Receives <i>Customer Name Withheld</i> EmailCampaigns	Boolean		Y	
ReceivesOtherCampaigns	Boolean		Y	
Type	String	10	Y	Prospect or Customer
Remark	String	200	N	

Process during the exportation of the stream

- The address is divided into Address Number, Address Type and Address Line1/2/3.

Process during the importation of the stream

- The importation process is based on the OnlineCustomerID (and possibly the OfflineCustomerID if present) in order to insert or update the adequate records in the online BO.
- Only the information present in the stream will be inserted or updated, depending on the existence of the customer in the target database.

Prepared by	Date	Ref	File
[Your company name here]	August 6, 2003	1.2	Customer Name Withheld Mobile Web Site IRS 1.2

3.4.1.3 Sample

```

<Customer Name Withheld_WW_Outgoing_OnlineCustomers RecordCount="1">
<OnlineCustomer>
  <OnlineCustomerID>OnlineCustomerID_1</OnlineCustomerID>
  <OfflineCustomerID>OfflineCustomerID_1</OfflineCustomerID>
  <Civility>Civility_1</Civility>
  <FirstName>FirstName_1</FirstName>
  <LastName>LastName_1</LastName>
  <OtherName>OtherName_1</OtherName>
  <EmailAddress>EmailAddress_1</EmailAddress>
  <Phone>Phone_1</Phone>
  <MobilePhone>MobilePhone_1</MobilePhone>
  <Fax>Fax_1</Fax>
  <AddressNumber> 1</AddressNumber>
  <AddressType>AddressType_1</AddressType>
  <AddressName>AddressName_1</AddressName>
  <AddressPlus1>AddressPlus1_1</AddressPlus1>
  <AddressPlus2>AddressPlus2_1</AddressPlus2>
  <City>City_1</City>
  <ZipCode>ZipCode_1</ZipCode>
  <State>State_1</State>
  <Country>Country_1</Country>
  <BirthDate>1999-09-09</BirthDate>
  <PreferredLanguage>1</PreferredLanguage>
  <CreationDate>1999-09-09</CreationDate>
  <LastUpdateDate>1999-09-09</LastUpdateDate>
  <MaxOrderedAmount>1</MaxOrderedAmount>
  <ReceivesCustomer Name WithheldEmailCampaigns>0</ReceivesCustomer Name WithheldEmailCampaigns>
  <ReceivesOtherCampaigns>0</ReceivesOtherCampaigns>
  <Type>Prospect</Type>
  <Remark>Remark_1</Remark>
</OnlineCustomer>
</Customer Name Withheld_WW_Outgoing_OnlineCustomers>

```

<i>Prepared by</i>	<i>Date</i>	<i>Ref</i>	<i>File</i>
[Your company name here]	August 6, 2003	1.2	Customer Name Withheld Mobile Web Site IRS 1.2

3.5 PRODUCT STREAM

3.5.1 Product Stream

3.5.1.1 Identity Card

Item	Value
Macro description	This stream transports basic information about products.
Source system	Offline BO
Target system	Mobile site database
Frequency	Daily
Output	Updates to the Online BO database and Log file
Entities involved	Products
Mode of communication required?	Asynchronous
Error cases and reject cases	Error file
Priority (1 to 5)	
Weight	
Protocol	FTP
Information to be secured?	
Transport mechanism to be secured?	

3.5.1.2 Detailed Technical Stream Definition

Element	Data Type	Size	Required	Note
ProductCode	String	7	Y	The code of the product
Status	String	1	Y	1 = on sale 0 = not on sale
Stock	String	??	N	
Availability	String	1	Y	Whether the product is in stock or not 0 = out of stock 1 = available
PriceLimitDate	String	8	N	20030813
Price	String	10	N	The price of the product

Note:

1. The product code in the product stream comprises 7 digits – the actual product code (6 digits) + the color code (1 digit). These two codes are concatenated to get the 7-digit product code in the product stream.

<i>Prepared by</i>	<i>Date</i>	<i>Ref</i>	<i>File</i>
[Your company name here]	August 6, 2003	1.2	<i>Customer Name Withheld</i> Mobile Web Site IRS 1.2

4 SOFTWARE DEVELOPMENT AGREEMENT

This Software Development Agreement is made effective from **August 6, 2003** to the completion of the software, by and between [Your company name here] (Developer) and *Customer Name Withheld* (Customer).

For the purpose of this Agreement:

The Interface Requirements Specification Document mentioned in this Agreement would lay out the interface requirements of the project. On receiving the Customer (user) sign off, [Your company name here] would commence work on the software.

Terms and Conditions of the Agreement:

1. Changes to the Interface Requirements Specification after the user sign off, would be made at the discretion of [Your company name here]. [Your company name here] reserves the right to charge for these changes based on standard hourly rates.
2. The software timeline proposed by [Your company name here] is based on the agreed upon schedule of deliverables to [Your company name here]. [Your company name here] would be working to a fixed schedule and any delay in receiving the deliverables could delay [Your company name here]' proposed schedule.
3. All communications with the Customer would be through the appointed interface persons. For this software this would be:
 - Overall Project communications:

Name: *Withheld*

E-mail: *Withheld*
 - Streams and Mainframe communications:

Name: *Withheld*

E-mail: *Withheld*
4. To ensure accountability and avoid miscommunication, all communications between [Your company name here] and the Customer would be desired in the form of a letter / email / fax. Verbal communications are not preferred as they may lead to miscommunication, if Verbal communications are used then written versions of the communications should be presented by email or fax.
5. Software design and development would begin only after the scheduled payment for the software is received, and the customer has signed off the Software Development Agreement.
6. [Your company name here] agreed payment terms are based on original service confirmation.
7. This Agreement may be modified only by a further writing that is executed by both parties.

[Your company name here] and *Customer Name Withheld* agree to the terms and conditions of the above agreement. *Customer Name Withheld* has read and approved the *Customer Name Withheld* Mobile Web Site IRS (Reference: 1.2 and Dated August 6, 2003) and authorizes [Your company name here] to proceed with the development of the software according to the Interface Requirements Specification.

For *Customer Name Withheld*

Date

<i>Prepared by</i>	<i>Date</i>	<i>Ref</i>	<i>File</i>
[Your company name here]	August 6, 2003	1.2	<i>Customer Name Withheld</i> Mobile Web Site IRS 1.2

5 APPENDIX A: GLOSSARY

5.1 GENERAL TERMS

Approval	Written notification by an authorized representative of the acquirer that the developer's plans, design, or other aspects of the project appear to be sound and can be used as the basis for further work
Function	The action or actions which an item is designed to perform
Requirements	Characteristics that identify the accomplishment levels needed to achieve specific objectives for a given set of conditions
Specification	A document intended primarily for use in procurement, which describes the essential technical requirements for items, materials or services including the procedures for determining whether or not the requirements have been met
Section	Section shall be interpreted as meaning the top paragraph and all its subparagraphs.
Collection	Group of products from any brand or family put together based on a theme.
Brand	Main brands offered by <i>Customer Name Withheld</i> .
Style	The kind of offer made for a promotion. For example, one product free if the customers buy products worth 6000 Yen and above.
Stream	Data file formatted for transfer between the mainframe and the mobile web database.
Offline BO	Mainframe system
Online BO	Mobile Web Site
String	Character text of varying length
FTP	File Transfer Protocol

<i>Prepared by</i>	<i>Date</i>	<i>Ref</i>	<i>File</i>
[Your company name here]	August 6, 2003	1.2	<i>Customer Name Withheld</i> Mobile Web Site IRS 1.2

6 APPENDIX B: TO BE DETERMINED LIST

This section outlines the list of items related to the *Customer Name Withheld* Mobile Web Site Interface Requirements that need to be determined.

1. All fields marked as Required="Y" in the detailed technical information sections should have detailed remarks to explain the purpose of the fields.
2. The Priorities, Weight, Security data etc. fields need to be filled in as these are currently blank.
3. The *Customer Name Withheld* contact for the Streams and Mainframe communications is not known. The contact details have to be specified in the Software Development Agreement.

<i>Prepared by</i>	<i>Date</i>	<i>Ref</i>	<i>File</i>
[Your company name here]	August 6, 2003	1.2	Customer Name Withheld Mobile Web Site IRS 1.2

7 APPENDIX C: CHANGE LOG

REF.	CHANGES UPDATED AND REASON FOR CHANGES	CHANGES MADE BY	DATE	SUBMITTED BY
1.0	Initial Release	Jason Dibbin	July 24, 2003	[Your company name here]
1.1	Added the Product Stream; updated the Appendix B: To Be Determined List section; added an introduction to the External Interface Requirements section; and updated the Software Development Agreement.	Jason Dibbin	August 4, 2003	[Your company name here]
1.2	Updated the Product Stream section.	Jason Dibbin	August 6, 2003	[Your company name here]