Web Services Specification

Price Catalog Service

fcB2B Technical Team

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Introduction

This document details a specification for the Floor Covering Business to Business Price Catalog Web Services. The goal of these services is to build upon the existing capabilities between trading partners in the flooring industry. Extending the fcB2B standards to include support for Web Services greatly enhances the capabilities of buyers to make inquiries with suppliers and receive responses to those inquiries in near "real time".

Please see the fcB2B Web Services Overview document for common characteristics and requirements of all fcB2B Web Services.

Service process

This service requires that the getPriceCatalogTypes always get initiated first, resulting in the Price Catalog Response being returned with the suppliers' options. Based on the selection made by the requester the Price Catalog Request can be made. The Price Catalog Response provides 2 levels for nesting the category and sub-category of options available.

Service Descriptions

The driving force in developing this specification is to move to open, internet-based web services standards. The overall data model and architecture is intended to be flexible enough to support multiple standards and protocols, however this specification currently only provides implementation details for RESTful implementations.

The following services and their recommended URLs are:

Service Name	Discovery Name	Description	URL
Get Price Catalog Types	GetPriceCatalogTypes	Provides a list of parameters supported for the PriceCatalogRequest	http://rest.example.com/getpricecatalogtypes?querystring
Price Catalog	PriceCatalogRequest	A request for a full or partial Product Price Catalog (832) document to be generated.	http://rest.example.com/pricecatalogrequest?querystring

Reserve Service Request:

GetPriceCatalogTypes

REQUEST	Get
ClientIdentifier	M
TimeStamp	M
GlobalIdentifier	O

Definitions of Request Parameters

Name	Description
ClientIdentifier	Supplier-assigned customer identifier; recommend NOT using account number
TimeStamp	ISO 8601 DateTime – fcB2B IsoDateTimeType
GlobalIdentifier	Arbitrary alphanumeric UUID (universally unique identifier) used to match response to request

PriceCatalogRequest

REQUEST	Get
ClientIdentifier	M
CatalogIdentifier	M
SubCatalogIdentifier	O
TimeStamp	M
GlobalIdentifier	O

Definitions of Request Parameters

Name	Description
ClientIdentifier	Supplier-assigned customer identifier; recommend NOT using account number
CatalogIdentifier	Identifier for the catalog supplied via call to getPriceCatalogTypes with a minimum value of "FULL".
SubCatalogIdentifier	SubCatalog Child Identifier of the catalog type supplied via call to getPriceCatalogTypes. For example, CatalogIdentifier of "Product" might return SubCatalogIdentifier(s) of 'Carpet','Hardwood', etc.
TimeStamp	ISO 8601 DateTime – fcB2B IsoDateTimeType
GlobalIdentifier	Arbitrary alphanumeric UUID (universally unique identifier) used to match response to request

PriceCatalogResponseType

PriceCatalogType

RESPONSE	All Methods
ClientIdentifier	-
Catalog	O
Description	M
Identifier	M
SubCatalog	O
Description	O
Identifier	O
TimeStamp	M
GlobalIdentifier	O
Messages	O

Definitions of Response Parameters

Name	Description
ClientIdentifier	Echoed from Request
Catalog	Request supported by the PriceCatalogRequest with a minimum support of 'Full'.
SubCatalog	Optional subset of Catalog. For example, Catalog of "Product" might return SubCatalog(s) of 'Carpet','Hardwood', etc. Not applicable for request type of 'Full'.
TimeStamp	ISO 8601 DateTime – fcB2B IsoDateTimeType
GlobalIdentifier	Echoed from Request Condition: request contains GlobalIdentifier

PriceCatalogResponseType

PriceCatalogAcknowledgementType

RESPONSE	All Methods
ClientIdentifier	-
Catalog	M
Description	M
Identifier	M
SubCatalog	O
Description	M
Identifier	M
Status	M
StatusDescription	M
TimeStamp	M
GlobalIdentifier	O
Messages	O

Definitions of Response Parameters

Name	Description
ClientIdentifier	Echoed from Request
Catalog	Echoed from Request
SubCatalog	Echoed from Request (if present)
Status	Identifies if the request is Accepted or Rejected
StatusDescription	Description of the outcome of the request and may include estimated time of completion.
TimeStamp	ISO 8601 DateTime – fcB2B IsoDateTimeType
GlobalIdentifier	Echoed from Request Condition: request contains GlobalIdentifier
Messages	See fcB2B-MessageList.xsd

Detailed Specification of Each Service

Get Price Catalog Types

Get Price Catalog Types is the first of the methods that would normally be called and returns the Request types (Full, Product Type, etc.) supported by the Price Catalog Request method. This may also return any sub-categories if implemented by the provider.

Request
Authenticated
http://rest.example.com/ getpricecatalogtypes?ClientIdentifier=<..>&
TimeStamp=<..>&GlobalIdentifier=<..>

Parameters conform to getPriceCatalogTypes - Requests.xsd

Response

getPriceCatalogTypes - Reponse.xsd

Price Catalog Request

Call to request a full or partial (if supported) Product Price Catalog – 832 document to be generated. T

Request
http://rest.example.com/pricecatalogrequest?ClientIdentifier=<..>&
Catalog=<..>&SubCatalog=<..>&TimeStamp=<..>*&GlobalIdentifier=<..>*

Parameters conform to PriceCatalogRequest - Request.xsd

Response

PriceCatalogRequest - Response.xsd