**Technical Specification**

**BI and Report Development**

**New Era by You Fabric Report**

**New Era Cap Inc.**

**Revision History**

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Author** | **Version** | **Description** |
| 08/14/2014 | A. Ortwein | 1.0 | Create technical specification draft |
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# ****Data Source & Restrictions****

Report will join 2 separate SQL server data-source queries.

Fabric query will be unique to this report. NEbyYou material query will also be used on “New Era by You Logo Report”.

The reports should be joined on MaterialID

Fabric query:

* The following query can be used as a command data-source on NECCGWEBSQL1.NewEraByYou:

SELECT

 tn.[MaterialID]

 ,tn.SilhouetteDescription

 ,cc.Description

 ,roc.FabricContentCodeDesc

FROM [NewEraByYou].[dbo].[ticket\_to\_regions] tr (nolock)

inner join [NewEraByYou].[dbo].[TicketNew] tn (nolock)

 on tr.ticket\_id = tn.id

inner join [ROCNEXU].[dbo].[R\_tblRoalItemmst] roc (nolock)

 on tr.material\_id = roc.inv\_item\_id

inner join [NewEraByYou].[dbo].ColorCodes cc (nolock)

 on tr.color\_id = cc.Id

where

 tn.MaterialID > 79000000 and tn.Active = 1

Material query:

* The following query can be used as a command data-source on NECCGWEBSQL.ROC:

# SELECT distinct rep.[MaterialID],

# convert(datetime,head.createdOn) as CreateDate

# FROM [ROC].[dbo].[tblEFSRoalReplication] rep (nolock)

# inner join [ROC].[dbo].[tblEFSLineItems] line (nolock)

#  on rep.MaterialID = substring([ProductIDSize],0,9)

# inner join [ROC].[dbo].[tblEFSHeader] head (nolock)

#  on line.PONumber = head.PONumber

# where head.createdon is not null

# ****Data Flow Diagram****

 N/A

# ****Data Column Mapping****

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Type** | **Field Name** | **Source Table** | **Source Column** | **Sql Code** |
| String | Fabric Content  | Fabric query | FabricContentCodeDesc |  |
| String | Color | Fabric query | Description |  |
| string | Silhouette | Fabric query | SilhouetteDescription |  |
| Date | Order Date | Material query | CreateDate |  |
| number | Total Materials | Material query | Summary total or MaterialIDs |  |

# ****Report Parameters****

# ****Grouping****

Report is grouped by 4 fields, then summarized by group total, and totals across month. Refer to mockup included in functional spec.

1. Year (derived from Order Date)
	1. Fabric Content
		1. Color
			1. Silhouette
				1. Group Total
				2. By Month Total

# ****Table / Field Join Mapping****

|  |  |  |
| --- | --- | --- |
| **Table and Field** | **Type** | **Table and Field** |
| Sub-Report Material . MaterialID | Inner Join | Sub-Report Fabric . MaterialID |

# ****Report Logic Pseudo Code****

 N/A

# ****Exception Handling****

|  |  |  |
| --- | --- | --- |
| **Error Type** | **Error Description** | **Resolution** |
| N/A |  |  |

# ****Testing****

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | **Tests Case** | **Test to execute test case** | **Expected Results** | **Actual Results** |
| 1 | Reports Run | Execute each report to validate that it displays and is populated with data | No errors during execution, each report displays data |  |
| 2 | User Data Validation | Comparison of data between report display and expected results – document any differences | Data will match expectation regardless of grouping option |  |

# ****Open and Closed Items****

1. **Open**

|  |  |  |  |
| --- | --- | --- | --- |
| **Identified Date** | **Description**  | **Resolution** | **Target Date** |
|  |  |  |  |

1. **Closed**

|  |  |  |  |
| --- | --- | --- | --- |
| **Identified Date** | **Description**  | **Resolution** | **Target Date** |
|  |  |  |  |

# ****Approvers****

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