**Technical Specification**

**BI and Report Development**

**New Era by You Logo Report**

**New Era Cap Inc.**

**Revision History**

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Author** | **Version** | **Description** |
| 08/14/2014 | A. Ortwein | 1.0 | Create technical specification draft |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

Table of Contents

[Data Source & Restrictions 3](#_Toc389545582)

[Data Flow Diagram 3](#_Toc389545583)

[Data Column Mapping 3](#_Toc389545584)

[Report Parameters 3](#_Toc389545585)

[Grouping 4](#_Toc389545586)

[Table / Field Join Mapping 4](#_Toc389545587)

[Report Logic Pseudo Code 4](#_Toc389545588)

[Exception Handling 5](#_Toc389545589)

[Testing Scripts 5](#_Toc389545590)

[Open and Closed Items 5](#_Toc389545591)

[Approvers 6](#_Toc389545592)

# ****Data Source & Restrictions****

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

Logo 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

Logo query:

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

select

tn.MaterialId

,tn.LicenseDescription

,tn.TeamDescription

,tn.SilhouetteDescription

,te.ManualIllustrationNumber

from TicketNew tn (nolock)

inner join TicketEmbroidery te (nolock)

on tn.Id = te.TicketId

where

te.configurationillustrationid in (1,11)

and 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 | License | Logo query | LicenseDescription |  |
| String | Team | Logo query | TeamDescription |  |
| String | Logo | Logo Query | ManualIllustrationNumber |  |
| string | Silhouette | Logo query | SilhouetteDescription |  |
| Date | Order Date | Material query | CreateDate |  |
| number | Total Materials | Material query | Summary total or MaterialIDs |  |

# ****Report Parameters****

# ****Grouping****

Report is grouped by 5 fields, then summarized by group total, and totals across month. Refer to mockup included in functional spec.

1. Year (derived from Order Date)
   1. License
      1. Team
         1. Logo
            1. Silhouette

Group Total

By Month Total

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

|  |  |  |
| --- | --- | --- |
| **Table and Field** | **Type** | **Table and Field** |
| Material . MaterialID | Inner Join | Logo. 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****

Author Aaron Ortwein