**SUMMARY SCORES:**

<table>
<thead>
<tr>
<th>I.</th>
<th>Data Model – Transaction Database</th>
<th>(50)</th>
</tr>
</thead>
<tbody>
<tr>
<td>II.</td>
<td>Data Dictionary – Transaction Database</td>
<td>(10)</td>
</tr>
<tr>
<td>III.</td>
<td>Data Model – Data Warehouse</td>
<td>(30)</td>
</tr>
<tr>
<td>IV.</td>
<td>Data Dictionary-Data Warehouse</td>
<td>(10)</td>
</tr>
</tbody>
</table>

**TOTAL SCORE:** (100)
I. **Data model – Transaction Database**

This criterion reflects the extent to which the transaction database design and methodology used by the vendor ensures the current and ongoing health of the database. The basic principles to be evaluated in measuring the design are:

- **Overall Database Design Strategy**
  Sound database design methodology ensures extensibility and flexibility for future development. Good overall design strategy ensures data correctness and data integrity, provides for the capture of discrete data elements, provides for a sound approach for the capture of history, provides for capture of master and reference data, and for the ability to report on the data.

- **Data Normalization/Minimized Data Redundancy**
  Greater degree of normalization ensures data consistency and quality.

- **Enforcement of Referential Integrity at the Database Level**
  Enforcement of correct referential integrity at the database level ensures database integrity. Detrimental effects to the database through updates outside of the application will be minimized. Enforcement of referential integrity at the application level needs to be evaluated if that is the approach being used.

- **Reasonable Naming Standards**
  Reasonable naming standards include the consistent use of data element names across the database and the use of class words.

---

**Note:** Any notes and/or questions should be included on a separate piece of paper

**Score:** (maximum score = 50)
II.  **Data Dictionary – Transaction database**  

10 points

This criterion reflects the extent to which the applicant’s data dictionary for the transaction system provides good business understanding of the data elements. The definitions should not be a restatement of the data element name and data definition language should be consistent. The data dictionary should be complete.

Note: Any notes and/or questions should be included on a separate piece of paper

**Score:** (maximum score = 10)
III. **Data Model – Data Warehouse Database**  
30 points

This criterion reflects the extent to which the database design and methodology used by the vendor in the data warehouse design ensures a sound approach for the reporting and analytic environment. The basic principles to be evaluated in measuring the design are:

- **Overall Data Warehouse Design and Population Strategy**
  Sound data warehouse design methodology ensures extensibility and flexibility for future development. Requirements definition process needs to be understood. Granularity of data, re-use of dimensions, and data latency need to be considered. The method to extend the data warehouse for additional data sources needs to be evaluated.

- **Data Warehouse Environments**
  Data environments for data warehouse creation need to be understood and evaluated (i.e., EDW, ODS, staging tables, and data marts).

- **Conformed Dimensions and Facts**
  Use of conformed dimensions and facts needs to be assessed.

- **History for Dimension Data**
  The approach for capturing history for dimension data needs to be evaluated.

- **Data Quality Approach**
  The techniques used for ensuring data quality need to be understood.

- **Reasonable Naming Standards**
  Reasonable naming standards include the consistent use of data element names across the database and the use of class words.

**Note: Any notes and/or questions should be included on a separate piece of paper**

**Score:** (maximum score = 30)
IV. **Data Dictionary – Data Warehouse**  

10 points

This criterion reflects the extent to which the applicant’s data dictionary for the data warehouse provides good business understanding of the data elements. Any data derivations and calculations should be documented.

**Note:** Any notes and/or questions should be included on a separate piece of paper

**Score:** (maximum score = 10)