***Coding Standard QA audit conducted based on document titled “SQL Coding Standards Dec09-2020” downloaded from in Github.***

**Code reviewed: Phase2-Views-Dec13-2020.sql**

**Naming Test 1: Review all column and table names in database and confirm compliance with naming convention**

Checked OK.

**Naming Test 2: Review all reference column names in database and confirm compliance with naming convention**

N/A

**Naming Test 3: Review all join tables and view names in database and confirm compliance with naming convention**

Lines 212 and 221 not in “Pascal” notation format

RegularSpecialVotingStation\_Result\_vw and Candidate\_Result\_vw were created based on join tables which was followed by rule 2.4. Naming Join Tables

**Naming Test 4: Review all stored procedures in database and confirm compliance with naming convention**

N/A

**Naming Test 5: Review all indexes in database and confirm compliance with naming convention**

No index found in code

**Coding Test 1: Review all comments in database and confirm compliance with comment format**

All comments in compliance

**Coding Test 2: Check that all SQL keywords in database code are typed in uppercase**

Lines 70, 102 not in compliance - **Corrected**

**Coding Test 3: Check that all statements in database code are closed with a “;” (semicolon)**

Checked, ok.

**Coding Test 3.1: Check that each attribute name is placed on a separate line when there are multiple attributes listed in the statement**

Checked, ok.

**Coding Test 4: Check that all “SELECT” queries in database code specify column and table names and do not use the “\*” syntax**

Checked, ok.

**Coding Test 5: Check that all temporary result sets in database code are in the common table expression format using “cte”**

N/A

**Coding Test 6: Check that all UPDATE and DELETE queries in database code include a WHERE condition**

N/A

**Coding Test 7: Check that each separate query starts on a new line.**

Checked, ok.

**Coding Test 8: Surround the equals “=” operator with spaces**

Not in compliance in lines 66, 98, 130 - **Corrected**

**Coding Test 9: Check that all JOIN queries in database code include the column name and abbreviated table name**

Checked, ok.

**Coding Test 10: Check use of parentheses with complicated expressions to improve code readability**

Checked, ok.

**Coding Test 11: Check that all INSERT queries in database code include column name**

N/A

**Coding Test 12: Check that all ORDER BY queries are followed by ASC or DESC**

N/A

**Coding Test 13: Security- Use BEGIN TRAN, COMMIT/ROLLBACK with all UPDATE, DELETE, DROP, TRUNCATE queries.**

N/A

**Coding Test 14: Confirm that datatype character lengths and other attributes are defined for optimal storage**

N/A