DRAFT
ECMPS Import
Check Specifications

United States Environmental Protection Agency
Office of Air and Radiation
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Check Category:

Import

Check Code: IMPORT-22

Check Name: All EM Locations Present in Unique Monitoring Plan in the Production Database

Related Former Checks:

Applicability: Import Check

Description: All Units and Stacks for which emissions are reported in the file must be present in the Production database.

Specifications:

For the current Workspace Emission File record:

Count the number of UnitIDs and Stack_Names in the Workspace Daily Emissions, Summary Value, Daily Test Summary, Hourly Operating, Long Term Flow Fuel, Sorbent Trap, and Weekly Test Summary tables.

If the number is equal to 0,
return result A.

Otherwise,
Locate a Production MonitorPlan record for the ORIS_Code in the current record that is linked to MonitorPlanLocation records containing all of the retrieved UnitIDs and Stack_Names and no other UnitIDs and Stack_Names.

If not found,
Set Invalid Import Location to the list of UnitIDs and Stack_Names, and return result B.

Otherwise,
Set Invalid Import Location to null.

For each UnitID in the above tables:

If UnitID begins with "CS", "MS", "CP", or "MP",
add the UnitStackPipeID to Invalid Import Location.

If Invalid Import Location is not null,
return result C.

Results:

Result	Response	Severity
A	There are no emissions data in the file. The file was not imported.	Fatal
B	The Client Tool database does not contain a monitoring plan that contains the following list of locations: [invalid]. The file was not imported.	Fatal
C	The following stacks or pipes were misidentified as a unit: [invalid]. The file was not imported.	Fatal

Usage:

1	Process/Category:	Emissions Data Import Hourly Emissions Data Integrity

Check Code:	IMPORT-23
Check Name:	Emission File Dates Valid
Related Former Checks:	
Applicability:	Import Check
Description:	This check is to make sure that the emissions dates reported are valid.
Specifications:	

For the current Workspace Emission File record:

Locate the earliest Date in the Workspace Daily Emission, Daily Test Summary, Hourly Operating, Sorbent Trap, and Weekly Test Summary tables.

If the Date is not within the Year + Quarter in the current record,
return result A.

Locate the latest Date in the Workspace Daily Emission, Daily Test Summary, Hourly Operating, Sorbent Trap, and Weekly Test Summary tables.

If the Date is not within the Year + Quarter in the current record,
return result A.

Results:

Result	Response	Severity
A	You have reported a date in a Daily Summary, DailyTest Summary or Hourly Operating record that does not fall within the reporting period. The emissions file will not be imported.	Fatal

Usage:

1	Process/Category:	Emissions Data Import Hourly Emissions Data Integrity

Check Code: IMPORT-25

Check Name: EM Facility Present in the Production Facility Table

Related Former Checks:

Applicability: Import Check

Description: Facility (ORIS Code) must be present in the Production facility table

Specifications:

For the current Workspace Emission File record:

Locate a Production Facility record where the ORIS_CODE is equal to the ORIS_CODE in the current record:

If not found,
return result A.

Results:

Result	Response	Severity
A	The Client Tool database does not contain ORIS Code [ORIS Code]. This file was not imported.	Fatal

Usage:

| 1 | Process/Category: | Emissions Data Import Hourly Emissions Data Integrity |

Check Code: IMPORT-26

Check Name: All EM Systems Present in the Production Database

Related Former Checks:

Applicability: Import Check

Description: All EM Systems in the file must be present in the Production database.

Specifications:

For each UnitID and Stack_Name in the Workspace Daily Emission, Summary Value, Daily Test Summary, Hourly Operating, Long Term Flow Fuel, Sorbent Trap, and Weekly Test Summary tables.

Locate all SystemIdentifiers for that location in the Workspace Monitor Hourly Value, Derived Hourly Value, Hourly Fuel Flow, Hourly Parameter Fuel Flow, MATS Monitor Hourly Value, Sorbent Trap and Weekly Test Summary tables.

Set Missing EM Systems to null.

For each SystemIdentifier:

Locate a Production MonitoringSystem record for the location and SystemIdentifier.

If not found,
add the LocationIdentifier + SystemIdentifier to Missing EM Systems.

Set Invalid LTFF Systems to null.

Locate all SystemIdentifiers for that location in the Long Term Fuel Flow tables.

For each SystemIdentifier:

Locate a Production MonitoringSystem record for the location and SystemIdentifier.

If not found,
add the LocationIdentifier + SystemIdentifier to Missing EM Systems.

If found, and the SystemTypeCode is not equal to "LTOL" or "LTGS",
add the LocationIdentifier + SystemIdentifier to Invalid LTFF Systems.

If Missing EM Systems is not null,
return result A.

else if Invalid LTFF Systems is not null,
return result B.

Results:

Result	Response	Severity
A	The Client Tool database does not contain [SystemID]. This file was not imported.	Fatal
B	You have reported a LongTermFuelFlow record for [key], which has an inappropriate system type. This record was not imported.	Fatal

Usage:

1   Process/Category: Emissions Data Import Hourly Emissions Location Data Integrity

Check Code: IMPORT-27

Check Name: All EM Components Present in the Production Database

Related Former Checks:

Applicability: Import Check

Description: All EM Components in the file must be present in the Production database.

Specifications:

For each UnitID and Stack_Name in the Workspace Daily Summary, Summary Value, Daily Test Summary, Hourly Operating, Long Term Flow Fuel, Sorbent Trap, and Weekly Test Summary tables.

> Locate all ComponentIdentifiers for that location in the Workspace Monitor Hourly Value, Daily Test Summary, MATS Monitor Hourly Value, Sampling Train and Hourly Gas Flow Meter tables.
>
> Set Missing EM Components to null.
>
> For each ComponentIdentifier:
>
>> Locate a Production Component record for the location and ComponentIdentifier.
>>
>> If not found,
>>> add the Location Identifier + ComponentIdentifier to Missing EM Component.
>
> If Missing EM Component is not null,
>> return result A.

Results:

Result	Response	Severity
A	The Client Tool database does not contain [ComponentID]. This file was not imported.	Fatal

Usage:

1	Process/Category:	Emissions Data Import Hourly Emissions Location Data Integrity

Check Code: IMPORT-28

Check Name: All EM Formulas Present in the Production Database

Related Former Checks:

Applicability: Import Check

Description: All EM Formulas in the file must be present in the Production database.

Specifications:

For each UnitID and Stack_Name in the Workspace Daily Summary, Summary Value, Daily Test Summary, Hourly Operating, Long Term Flow Fuel, Sorbent Trap, and Weekly Test Summary tables.

> Locate all FormulaIdentifiers for that location in the Workspace Derived Hourly Value, Hourly Parameter Fuel Flow, and MATS Derived Hourly Value tables.
>
> Set Missing EM Formulas to null.
>
> For each FormulaIdentifier:
>
>> Locate a Production MonitorFormula record for the location and FormulaIdentifier.
>>
>> If not found,
>>> add the LocationIdentifier + FormulaIdentifier to Missing EM Formula.
>
> If Missing EM Formula is not null,
>> return result A.

Results:

Result	Response	Severity
A	The Client Tool database does not contain [FormulaID]. This file was not imported.	Fatal

Usage:

1	Process/Category:	Emissions Data Import Hourly Emissions Location Data Integrity

Check Code: IMPORT-29

Check Name: Inappropriate Children Records for Daily Test Summary

Related Former Checks:

Applicability: Import Check

Description:

Specifications:

For the current Workspace Daily Test Summary record:

    If the TestTypeCode is not equal to "DAYCAL",

        Locate a Workspace Daily Calibration record linked to the current record.

        If found,
            return result A.

Results:

Result	Response	Severity
A	You have reported a Daily Calibration record linked to a test for which the Test Summary TestTypeCode is not "DAYCAL". It is not appropriate to report a Daily Calibration record for a TestTypeCode other than "DAYCAL." This test was not imported.	Critical Error Level 1

Usage:

    1   Process/Category: Emissions Data Import Hourly Emissions Test Data Integrity

Check Code: IMPORT-38

Check Name: Inappropriate Children Records for Weekly Test Summary

Related Former Checks:

Applicability:

Description: Ensures that each Weekly Test Summary records do not have innapproriate children for the type of the test.

Specifications:

For the current Workspace Weekly Test Summary record:

    If the TestTypeCode is not equal to "HGSI1",

        Locate a Workspace Weekly System Integrity record linked to the current record.

        If found,
            return result A.

Results:

Result	Response	Severity
A	You have reported WeeklySystemIntegrity records for a Weekly Test Summary Record with a Test Type Code of [TestTypeCode]. This file was not imported.	Fatal

Usage:

1	Process/Category:	Emissions Data Import Hourly Emissions Weekly Test Data Integrity

Check Code: IMPORT-1

Check Name: MP Facility Present in the Production Facility Table

Related Former Checks:

Applicability: Import Check

Description: Facility (ORIS Code) must be present in the Production facility table

Specifications:

For the current Workspace MonitoringPlan record:

    Locate a Production Facility record where the ORIS_CODE is equal to the ORIS_CODE in the current record:

    If not found,
        return result A.

    Otherwise,
        Set the Workspace Unit Count equal to the number of units in the file.

        If Workspace Unit Count is equal to 0,
            return result B.

Results:

Result	Response	Severity
A	The Client Tool database does not contain ORIS Code [ORIS Code]. This file was not imported.	Fatal
B	There are no units in the file. This file was not imported.	Fatal

Usage:

1	Process/Category:	Monitoring Plan Import Monitoring Plan Facility Data Integrity

Check Code: IMPORT-2

Check Name: Unit Present in the Production Unit Table

Related Former Checks:

Applicability: Import Check

Description: Unit (ORIS Code + Unit ID) in the file must be present in the Production Unit table.

Specifications:

For the current Workspace Unit Record:

      Locate a Production Unit record where the ORIS_CODE + UNITID is equal to the ORIS_CODE + UNITID in the current record.

      If not found,
            return result A.

Results:

Result	Response	Severity
A	The Client Tool database does not contain unit/stack/pipe [Unit ID] for ORIS Code [ORIS Code]. This file was not imported.	Fatal

Usage:

1	Process/Category:	Monitoring Plan Import Monitoring Plan Unit Data Integrity

Check Code: IMPORT-3

Check Name: Stack/Pipe in the File Associated With at Least One Unit

Related Former Checks:

Applicability: Import Check

Description: Stack/pipe in the file must be associated (via a unit stack configuration record) with at least one unit that is also present in the file.

Specifications:

For the current Workspace Stack record:

> Locate a Workspace Unit Stack Configuration record where the STACK_NAME is equal to the STACK_NAME in the current record.
>
> If not found,
> > return result A.

Results:

Result	Response	Severity
A	Each stack or pipe must be associated with at least one unit. Stack/pipe [Stack/Pipe ID] is not associated with any units. This file was not imported.	Fatal

Usage:

| 1 | Process/Category: | Monitoring Plan Import Monitoring Plan Stack/Pipe Data Integrity |

Check Code:	IMPORT-4
Check Name:	Unit in the File Associated With at Least One Stack/Pipe
Related Former Checks:	
Applicability:	Import Check
Description:	If the file contains more than one unit, unit in the file must be associated (via a unit stack configuration record) with at least one stack/pipe that is also present in the file.

Specifications:

For the current Workspace Unit record:

    If the Workspace Unit Count is greater than 1,

        Locate a Workspace Unit Stack Configuration record where the UnitID is equal to the UnitID in the current record.

        If not found,
            Return result A.

Results:

Result	Response	Severity
A	Each unit pipe must be associated with at least one stack or pipe. Unit [Unit ID] is not associated with any units. This file was not imported.	Fatal

Usage:

1	Process/Category:	Monitoring Plan Import Monitoring Plan Unit Data Integrity

Check Code: IMPORT-5

Check Name: System Type Consistency Check

Related Former Checks:

Applicability: Import Check

Description: Each system (ORIS Code + UnitStackPipe ID + Monitoring System ID) in the file that is also is the Production system table must have the same System Type (e.g., SO2).

Specifications:

For the current Workspace System record:

> Locate a production Monitoring System record for the location where the SystemIdentifier is equal to the SystemIdentifier in the current record:

> If found, and the SystemTypeCode in the retrieved record is not equal to the SystemTypeCode in the current record, return result A.

Results:

Result	Response	Severity
A	The system type [System Type] for UnitStackPipeID [Unit ID][Stack ID] MonitoringSystemID [System ID] does not match the system type in the Client Tool database. This record was not imported.	Critical Error Level 1

Usage:

1   Process/Category: Monitoring Plan Import Monitoring Plan System Data Integrity

Check Code:	IMPORT-6
Check Name:	Component Type and Basis Consistency Check
Related Former Checks:	
Applicability:	Import Check
Description:	Each component (ORIS Code + UnitStackPipe ID + Component ID) in the file that is also is the Production component table must have the same Component Type (e.g., SO2).

Specifications:

For the current Workspace Component record:

Locate a production Component record for the location where the ComponentIdentifier is equal to the ComponentIdentifier in the current record:

If found, and the ComponentTypeCode in the retrieved record is not equal to the ComponentTypeCode in the current record, return result A.

If found, and the BasisCode in the retrieved record is not null and is not equal to the BasisCode in the current record, return result B.

Results:

Result	Response	Severity
A	The component type [Component Type] for ComponentID [Component ID] in UnitStackPipeID [Unit ID][Stack ID] does not match the component type in the Client Tool database. This record was not imported.	Critical Error Level 1
B	The moisture basis [Basis Type] for ComponentID [Component ID] in UnitStackPipeID [Unit ID][Stack ID] does not match the component type in the Client Tool database. This record was not imported.	Critical Error Level 1

Usage:

1	Process/Category:	Monitoring Plan Import Monitoring Plan Component Data Integrity

Check Code: IMPORT-7

Check Name: Component in the System Component Record Present in Workspace Component Table

Related Former Checks:

Applicability: Import Check

Description: Each component in the system component table must be a component in the component table.

Specifications:

For the current Workspace System Component record:

Locate a Workspace Component record for the location where the Component_Identifier is equal to the Component_Identifier in the current record.

If not found,
set UnitStackPipeID + ComponentID to Missing Component for System Component, and return result A.

Results:

Result	Response	Severity
A	The XML file does not contain a Component record for [ComponentID]. The System Component record containing this Component ID was not imported.	Critical Error Level 1

Usage:

| 1 | Process/Category: | Monitoring Plan Import Monitoring Plan System Component Data Integrity |

Check Code: IMPORT-8

Check Name: Unit Stack Configuration Record Must Be Linked to Unit and Stack/Pipe

Related Former Checks:

Applicability: Import Check

Description: Stack/pipe and Unit in unit stack configuration record must be linked to unit and stack/pipe record that are also present in the file.

Specifications:

For the current Workspace Unit Stack Configuration record:

    Locate a Workspace Stack record where the STACK_NAME is equal to the STACK_NAME in the current record.

    If not found,
        return result A.

    Locate a Workspace Unit record where the UNITID is equal to the UNITID in the workspace unit stack configuration record.

    If not found,
        return result B.

Results:

Result	Response	Severity
A	Each Stack/Pipe and Unit in a unit stack configuration record must be linked to unit and stack/pipe records that are also present in the file. StackPipeID [StackPipeID] was not associated with a Stack/Pipe record in the file. This StackPipe Configuration Record was not imported.	Critical Error Level 1
B	Each Stack/Pipe and Unit in a unit stack configuration record must be linked to unit and stack/pipe records that are also present in the file. UnitID [UnitID] was not associated with a Unit record in the file. This StackPipe Configuration Record was not imported.	Critical Error Level 1

Usage:

  1   Process/Category: Monitoring Plan Import Monitoring Plan Unit Stack Configuration Data Integrity

Check Code: IMPORT-9

Check Name: Formula Parameter and Code Consistency Check

Related Former Checks:

Applicability: Import Check

Description: Each formula (ORIS Code + UnitStackPipe ID + Formula ID) in the file that is also is the Production system table must have the same ParameterCode and FormulaCode.

Specifications:

For the current Workspace Formula record:

> Locate a production Formula record for the location where the FormulaIdentifier is equal to the FormulaIdentifier in the current record:

> If found,

>> If the ParameterCode in the retrieved record is not equal to the ParameterCode in the current record, return result A.

>> If the FormulaCode in the retrieved record is not null and is not equal to the FormulaCode in the current record, return result B.

Results:

Result	Response	Severity
A	The ParameterCode for Formula ID [FormulaID] in the Client Tool database is not equal to the ParameterCode [ParameterCode] in the incoming record. This record was not imported.	Critical Error Level 1
B	The FormulaCode for Formula ID [FormulaID] in the Client Tool database is not equal to the FormulaCode [FormulaCode] in the incoming record. This record was not imported	Critical Error Level 1

Usage:

1	Process/Category:	Monitoring Plan Import Monitoring Plan Formula Data Integrity

Check Code: IMPORT-10

Check Name: Extraneous Span Data Check

Related Former Checks:

Applicability: Import Check

Description: This check is to identify extraneous values in the span record.

Specifications:

For the current Workspace Span record:

        set Extraneous Span Fields to null.

        If the ComponentTypeCode is equal to "FLOW",

                If MPCValue is not null,
                      add "MPCValue" to Extraneous Span Fields.

                If MECValue is not null,
                      add "MECValue" to Extraneous Span Fields.

                If DefaultHighRangeValue is not null,
                      add "DefaultHighRangeValue" to Extraneous Span Fields.

                If ScaleTransitionPoint is not null,
                      add "ScaleTransitionPoint" to Extraneous Span Fields.

                If SpanScaleCode is not null,
                      add "SpanScaleCode" to Extraneous Span Fields.

        Otherwise,

                If MPFValue is not null,
                      add "MPFValue" to Extraneous Span Fields.

                If FlowSpanValue is not null,
                      add "FlowSpanValue" to Extraneous Span Fields.

                If FlowFullScaleRange is not null,
                      add "FlowFullScaleRange" to Extraneous Span Fields.

        If ExtraneousSpanFields is not null,
        return result A.

Results:

Result	Response	Severity
A	An extraneous value has been reported for [fieldname] in the span record for [comptype] [scale]. This value was not imported.	Non-Critical Error

Usage:

1	Process/Category:	Monitoring Plan Import Monitoring Plan Span Data Integrity

Check Code: IMPORT-11

Check Name: Extraneous LME Data Check

Related Former Checks:

Applicability: Import Check

Description: This check is to identify extraneous values in the MonitorQualLME record.

Specifications:

For the current Workspace MonitorQualLME record:

      If the associated Qualification Type Code is not equal to "LMEA":

            If SO2Tons is not null,
                return result A.

Results:

Result	Response	Severity
A	A value has been reported for [fieldname] in the MonitorQualLME record for [key]. This field should be blank. The value was not imported.	Non-Critical Error

Usage:

1	Process/Category:	Monitoring Plan Import Monitoring Plan Qualification LME Data Integrity

Check Code:	IMPORT-12
Check Name:	Inappropriate Children Records for Monitor Qualification
Related Former Checks:	
Applicability:	Import Check
Description:	This check is to identify inappropriate children records reported for Monitor Qualification.

Specifications:

For the current Workspace MonitorQualification record:

    If the QualificationTypeCode is not equal to "PK", "SK", or "GF",

        Locate a Workspace MonitorQualPercent record linked to the current record.

        If found,
            return result A.

    If the QualificationTypeCode is not equal to "LMEA" or "LMES",

        Locate a Workspace MonitorQualLME record linked to the current record.

        If found,
            return result B.

Results:

Result	Response	Severity
A	You have reported a MonitorQualPercent record for a location with the Qualification Type Code not equal to "PK," "SK" or "GF." A MonitorQualPercent record should not be reported for qualification Codes other than "PK", "SK" or "GF." This file was not imported.	Fatal
B	You have reported a MonitorQualLME record for a location with the Qualification Type Code not equal to "LMEA" or "LMES." A MonitorQualLME record should not be reported for qualification Codes other than "LMEA" or "LMES." This file was not imported.	Fatal

Usage:

1	Process/Category:	Monitoring Plan Import Monitoring Plan Qualification Data Integrity

Check Code: IMPORT-31

Check Name: Inappropriate System Fuelflow for System

Related Former Checks:

Applicability: Import Check

Description: This check is to identify situations where a System FuelFlow record has been reported for a non-fuel flow system.

Specifications:

For the current Workspace System Fuelflow record:

    Locate a production System record for the location where the SystemIdentifier is equal to the SystemIdentifier linked to the current record:

    If found
        If the SystemTypeCode in the current record is not equal to "LTGS", "LTOL", "OILM", "OILV", or "GAS",
            return result A.

    If not found,
        Locate the associated System record in the workspace
            If the SystemTypeCode in the current record is not equal to LTGS", "LTOL", "OILM", "OILV", or "GAS",
                return result A.

Results:

Result	Response	Severity
A	You have reported a System Fuel Flow record for a system that is not a fuel flow system. It is not appropriate to report a System Fuel Flow record for any other SystemTypeCode than "OILM", "OILV", "GAS", "LTGS", or "LTOL". This record was not imported.	Critical Error Level 1

Usage:

1   Process/Category: Monitoring Plan Import Monitoring Plan System Fuelflow Data Integrity

Check Code: IMPORT-32

Check Name: Inappropriate Analyzer Range for Component

Related Former Checks:

Applicability: Import Check

Description: This check is to identify situations where an Analyzer Range record has been reported for an inappropriate ComponentTypeCode.

Specifications:

For the current Workspace Analyzer Range record:

Locate a production Component record for the location where the ComponentIdentifier is equal to the ComponentIdentifier linked to the current record:

If found,

If the ComponentTypeCode in the retrieved record is not equal to "SO2", "NOX", "CO2", "O2", "HG", "HCL", or "HF", return result A.

If not found,

Locate the associated Component record in the workspace.

If the ComponentTypeCode in the retrieved record is not equal to "SO2", "NOX", "CO2", "O2", "HG", "HCL", or "HF", return result A.

Results:

Result	Response	Severity
A	You have reported an AnalyzerRange record for a component with an inappropriate ComponentTypeCode. This record was not imported.	Critical Error Level 1

Usage:

1   Process/Category: Monitoring Plan Import Monitoring Plan Analyzer Range Data Integrity

Check Code: IMPORT-36

Check Name: Inappropriate Calibration Standard for Component

Related Former Checks:

Applicability: Import Check

Description: This check is to identify situations where an Calibration Standard record has been reported for an inappropriate ComponentTypeCode.

Specifications:

For the current Workspace Calibration Standard record:

Locate a production Component record for the location where the ComponentIdentifier is equal to the ComponentIdentifier linked to the current record:

If found,

If the ComponentTypeCode in the retrieved record is not equal to "SO2", "CO2", "NOX", "O2", or "HG", return result A.

If not found,

Locate the associated Component record in the workspace.

If the ComponentTypeCode in the retrieved record is not equal to "SO2", "CO2", "NOX", "O2", or "HG", return result A.

Results:

Result	Response	Severity
A	You have reported a CalibrationStandardData record for a component with an inappropriate ComponentTypeCode. This record was not imported.	Critical Error Level 1

Usage:

| 1 | Process/Category: | Monitoring Plan Import Monitoring Plan Calibration Standard Data Integrity |

Check Code: IMPORT-13

Check Name: All Locations Present in the Production Database

Related Former Checks:

Applicability: Import Check

Description: All Units and Stacks in the file must be present in the Production database.

Specifications:

For the QA file:

    Count the number of UnitID and Stack_Name in the Workspace TestSummary, QACertificationEvent, and TestExtensionExemption tables.

    If the number is equal to 0,
         return result A.

    Otherwise,

        Set Missing QA Locations to null.
        Set Invalid QA Locations to null.

        For each UnitID and Stack_Name in the above tables:

            Locate a Production MonitorLocation record for that location.

            If not found,
                add the UnitID or Stack_Name to Missing QA Locations.

            else if UnitID is not null and begins with "CS", "MS", "CP", or "MP",
                add the UnitID to Invalid QA Locations.

        If Missing QA Locations is not null,
            return result B.

        else if Invalid QA Locations is not null,
            return result C.

Results:

Result	Response	Severity
A	There are no tests, certification events, or test extension/exemption records in the file. The file was not imported.	Fatal
B	The Client Tool database does not contain UnitStackPipeID [UnitStackID]. This file was not imported.	Fatal
C	The following stacks or pipes were misidentified as a unit: [invalid]. The file was not imported.	Fatal

Usage:

    1   Process/Category: QA and Certification Data Import QA and Certification Location Data Integrity

Check Code: IMPORT-14

Check Name: All QA Systems Present in the Production Database

Related Former Checks:

Applicability: Import Check

Description: All QA Systems in the file must be present in the Production database.

Specifications:

For each UnitID and Stack_Name in the Workspace TestSummary, QACertificationEvent, and TestExtensionExemption tables:

Locate all SystemIdentifiers for that location in the Workspace TestSummary, QACertificationEvent, and TestExtensionExemption tables.

Set Missing QA Systems to null.

For each SystemIdentifier:

Locate a Production MonitoringSystem record for the location and SystemIdentifier.

If not found,
add the UnitStackPipeID + SystemIdentifier to Missing QA Systems.

If Missing QA Systems is not null,
return result A.

Results:

Result	Response	Severity
A	The Client Tool database does not contain [SystemID]. This file was not imported.	Fatal

Usage:

| 1 | Process/Category: | QA and Certification Data Import QA and Certification Location Data Integrity |

Check Code: IMPORT-15

Check Name: All QA Components Present in the Production Database

Related Former Checks:

Applicability: Import Check

Description: All QA Components in the file must be present in the Production database.

Specifications:

For each UnitID and Stack_Name in the Workspace TestSummary, QACertificationEvent, and TestExtensionExemption tables:

    Locate all ComponentIdentifiers for that location in the Workspace TestSummary and QACertificationEvent tables.

    Set Missing QA Components to null.

    For each ComponentIdentifier:

        Locate a Production Component record for the location and ComponentIdentifier.

        If not found,
            add the UnitStackPipeID + ComponentIdentifier to Missing QA Component.

    If Missing QA Components is not null,
        return result A.

Results:

Result	Response	Severity
A	The Client Tool database does not contain [ComponentID]. This file was not imported.	Fatal

Usage:

1	Process/Category:	QA and Certification Data Import QA and Certification Location Data Integrity

Check Code:	IMPORT-16
Check Name:	Inappropriate Children Records for Test Summary
Related Former Checks:	
Applicability:	Import Check
Description:	This check is to identify inappropriate children records reported for Test Summary.
Specifications:	

For the current Workspace TestSummary record:

Set Inappropriate QA Children to null.

If the TestTypeCode is not equal to "RATA",

Locate a Workspace RATA record linked to the current record.

If found,
add "RATA" to Inappropriate QA Children.

Locate a Workspace TestQualification record linked to the current record.

If found,
add "TestQualification" to Inappropriate QA Children.

If the TestTypeCode is not equal to "7DAY",

Locate a Workspace Calibration Injection record linked to the current record.

If found,
add "Calibration Injection" to Inappropriate QA Children.

If the TestTypeCode is not equal to "LINE"

Locate a Workspace Linearity Summary record linked to the current record.

If found,
add "Linearity Summary" to Inappropriate QA Children.

If the TestTypeCode is not equal to "HGLINE" or "HGSI3",

Locate a Workspace Hg Summary Data record linked to the current record.

If found,
add "Hg Linearity or System Integrity Summary" to Inappropriate QA Children.

If the TestTypeCode is not equal to "F2LREF",

Locate a Workspace Flow to Load Reference record linked to the current record.

If found,
add "Flow to Load Reference" to Inappropriate QA Children.

If the TestTypeCode is not equal to "F2LCHK",

Locate a Workspace Flow to Load Check record linked to the current record.

If found,

add "Flow to Load Check" to Inappropriate QA Children.

If the TestTypeCode is not equal to "CYCLE",

Locate a Workspace Cycle Time Summary record linked to the current record.

If found,
add "Cycle Time Summary" to Inappropriate QA Children.

If the TestTypeCode is not equal to "ONOFF",

Locate a Workspace Online Offline Calibration record linked to the current record.

If found,
add "Online Offline Calibration" to Inappropriate QA Children.

If the TestTypeCode is not equal to "FFACC",

Locate a Workspace Fuel Flowmeter Accuracy record linked to the current record.

If found,
add "Fuel Flowmeter Accuracy" to Inappropriate QA Children.

If the TestTypeCode is not equal to "FFACCTT",

Locate a Workspace Transmitter Transducer record linked to the current record.

If found,
add "Transmitter Transducer" to Inappropriate QA Children.

If the TestTypeCode is not equal to "FF2LBAS",

Locate a Workspace Fuel Flow To Load Baseline record linked to the current record.

If found,
add "Fuel Flow to Load Baseline" to Inappropriate QA Children.

If the TestTypeCode is not equal to "FF2LTST",

Locate a Workspace Fuel Flow To Load Test record linked to the current record.

If found,
add "Fuel Flow to Load Test" to Inappropriate QA Children.

If the TestTypeCode is not equal to "APPE",

Locate a Workspace Appendix E Correlation Test Summary record linked to the current record.

If found,
add "Appendix E Correlation Test Summary" to Inappropriate QA Children.

If the TestTypeCode is not equal to "UNITDEF",

Locate a Workspace Unit Default Test record linked to the current record.

If found,
add "Unit Default Test" to Inappropriate QA Children.

If the TestTypeCode is not equal to "RATA", "LINE", "UNITDEF", or "APPE"

Locate a Workspace ProtocolGas record linked to the current record.

If found,
add "ProtocolGas" to Inappropriate QA Children.

If the TestTypeCode is not equal to "UNITDEF", "RATA", or "APPE",

Locate a Workspace AirEmissionTesting record linked to the current record.

If found,
add "AirEmissionTesting" to Inappropriate QA Children.

If Inappropriate QA Children is not equal to null,
return result A.

Results:

Result	Response	Severity
A	You have reported [Inappropriate Children] records for a Test Summary Record with a Test Type Code of [TestTypeCode]. This file was not imported.	Fatal

Usage:

1	Process/Category:	QA and Certification Data Import QA and Certification Test Data Integrity

Check Code: IMPORT-17

Check Name: Extraneous Test Summary Data Check

Related Former Checks:

Applicability: Import Check

Description: This check is to identify extraneous values in the Test Summary record.

Specifications:

For the current WorkspaceTest Summary record:

> Set Extraneous Test Summary Fields to null.

> If TestDescription is not null, and TestTypeCode is <u>not</u> equal to "OTHER",
>> add "TestDescription" to Extraneous Test Summary Fields.

> If TestResultCode is not null, and the TestTypeCode is equal to "FF2LBAS", "F2LREF", "APPE", or "UNITDEF",
>> add "TestResultCode" to Extraneous Test Summary Fields.

> If SpanScaleCode is not null, and the TestTypeCode is <u>not</u> equal to "7DAY", "LINE", "CYCLE", "ONOFF", "HGLINE", or "HGSI3",
>> add "SpanScaleCode" to Extraneous Test Summary Fields.

> If TestReasonCode is not null, and the TestTypeCode is equal to "FF2LBAS" or "F2LREF",
>> add "TestReasonCode" to Extraneous Test Summary Fields.

> If GracePeriodIndicator is equal to 1, and the TestTypeCode is <u>not</u> equal to "RATA", "LINE", "LEAK", "HGLINE", or "HGSI3",
>> add "GracePeriodIndicator" to Extraneous Test Summary Fields.

> If TestTypeCode is <u>not</u> equal to "RATA", "7DAY", "LINE", "CYCLE", "ONOFF", "FF2LBAS", "APPE", "UNITDEF", "HGSI3", or "HGLINE",

>> If BeginDate is not null,
>>> add "BeginDate" to Extraneous Test Summary Fields.

>> If BeginHour is not null,
>>> add "BeginHour" to Extraneous Test Summary Fields.

>> If BeginMinute is not null,
>>> add "BeginMinute" to Extraneous Test Summary Fields.

> If the TestTypeCode is equal to "FF2LTST" or "F2LCHK",

>> If EndDate is not null,
>>> add "EndDate" to Extraneous Test Summary Fields.

>> If EndHour is not null,
>>> add "EndHour" to Extraneous Test Summary Fields.

>> If EndMinute is not null,
>>> add "EndMinute" to Extraneous Test Summary Fields.

> Otherwise,

>> If Year is not null,
>>> add "Year" to Extraneous Test Summary Fields.

       If Quarter is not null,
             add "Quarter" to Extraneous Test Summary Fields.

   If TestTypeCode is equal to "FF2LBAS" or "ONOFF",

       If BeginMinute is not null,
             add "BeginMinute" to Extraneous Test Summary Fields.

       If EndMinute is not null,
             add "EndMinute" to Extraneous Test Summary Fields.

   If Extraneous Test Summary Fields is not null,
       return result A.

Results:

Result	Response	Severity
A	An extraneous value has been reported for [fieldname] in the Test Summary record for Location [LocationID], TestTypeCode [TestTypeCode] and Test Number [TestNumber]. This value was not imported.	Non-Critical Error

Usage:

1	Process/Category:	QA and Certification Data Import QA and Certification Test Data Integrity

Check Code:	IMPORT-18
Check Name:	Test Summary System and Component Check
Related Former Checks:	
Applicability:	Import Check
Description:	This check is to ensure that the appropriate monitoring plan records have been reported for the tests reported.
Specifications:	

For the current WorkspaceTest Summary record:

If the TestTypeCode is equal to "7DAY", "LINE", "CYCLE", "ONOFF", "FFACC", "FFACCTT", "HGSI3", or "HGLINE",
    If SystemIdentifier is not null or ComponentIdentifier is null,
        return result A.

    Otherwise,
        Locate the Production Component record for the component.

        If TestTypeCode is equal to "7DAY" or "ONOFF",
            If ComponentTypeCode in the Production Component record is not equal to "SO2", "CO2", "NOX", "O2", "FLOW", or "HG",
                return result B.

        If TestTypeCode is equal to "CYCLE",
            If ComponentTypeCode in the Production Component record is not equal to "SO2", "CO2", "NOX", "O2", or "HG",
                return result B.

        If TestTypeCode is equal to "LINE",
            If ComponentTypeCode in the Production Component record is not equal to "SO2", "CO2", "NOX", or "O2",
                return result B.

        If TestTypeCode is equal to "HGSI3", or "HGLINE"
            If ComponentTypeCode in the Production Component record is not equal to "HG",
                return result B.

        If TestTypeCode is equal to "FFACC" or "FFACCTT",
            If ComponentTypeCode in the Production Component record is not equal to "OFFM" or "GFFM",
                return result B.

If the TestTypeCode is equal to "RATA", "F2LCHK", "F2LREF", "FF2LBAS", "FF2LTST", or "APPE",

    If SystemIdentifier is null or ComponentIdentifier is not null,
        return result C.

    Otherwise,
        Locate the Production Monitor System record for the component.

        If TestTypeCode is equal to "RATA",
            If SystemTypeCode in the Production Monitor System record is not equal to "SO2", "CO2", "NOX", "NOXC", "O2", "FLOW", "H2O", "H2OM", "NOXP", "SO2R", "HG", "HCL", "HF", or "ST",
                return result D.

        If TestTypeCode is equal to "APPE",
            If SystemTypeCode in the Production Monitor System record is not equal to "NOXE",
                return result D.

If TestTypeCode is equal to "F2LCHK" or "F2LREF",
> If SystemTypeCode in the Production Monitor System record is not equal to "FLOW",
>> return result D.

If TestTypeCode is equal to "FF2LBAS" or "FF2LTST",
> If SystemTypeCode in the Production Monitor System record is not equal to "OILV", "OILM", "GAS", "LTOL", or "LTGS",
>> return result D.

If the TestTypeCode is equal to "UNITDEF",

> If SystemIdentifier is not null or ComponentIdentifier is not null,
>> return result E.

> Otherwise,

>> If the TestTypeCode is equal to "UNITDEF",

>>> Locate a Production Monitor Method record for the location with a ParameterCode equal to "NOXM" and a MethodCode equal to "LME".

>>> If not found,
>>>> return result F.

Results:

Result	Response	Severity
A	You have reported a Test Summary Record for Location [LocationID], TestTypeCode [TestTypeCode] and Test Number [TestNumber], which either does not have a ComponentID or inappropriately has a MonitorSystemID. This test record was not imported.	Critical Error Level 1
B	You have reported a Test Summary record for Location [LocationID], TestTypeCode [TestTypeCode] and Test Number [TestNumber], which is inappropriate for the component type for ComponentID [component]. This test was not imported.	Critical Error Level 1
C	You have reported a Test Summary Record for Location [LocationID], TestTypeCode [TestTypeCode] and Test Number [TestNumber], which either does not have a MonitorSystemID or inappropriately has a ComponentID. This test record was not imported.	Critical Error Level 1
D	You have reported a Test Summary Record for Location [LocationID], TestTypeCode [TestTypeCode] and Test Number [TestNumber], which is inappropriate for the system type for MonitoringSystemID [system]. This test was not imported.	Critical Error Level 1
E	You have reported a Test Summary Record for Location [LocationID], TestTypeCode [TestTypeCode] and Test Number [TestNumber], which inappropriately contains either a MonitorSystemID or a ComponentID. This test record was not imported.	Critical Error Level 1
F	You have reported a Test Summary Record for Location [LocationID], TestTypeCode [TestTypeCode] and Test Number [TestNumber], which is inappropriate for a non-LME unit. This test was not imported.	Critical Error Level 1

Usage:

1	Process/Category:	QA and Certification Data Import QA and Certification Test Data Integrity

Check Code: IMPORT-19

Check Name: Inappropriate Children Record for RATA

Related Former Checks:

Applicability: Import Check

Description: This check is to identify inappropriate children records reported for a RATA Test .

Specifications:

For the current Workspace TestSummary record:

    If the TestTypeCode is equal to "RATA",

        Locate a Workspace Flow RATA Run record linked to the current record.

        If found,

            Locate a Production Monitor System record for the location and SystemIdentifier in the current record.

            If the SystemTypeCode in the retrieved Monitor System record is not equal to "FLOW",
                return result A.

Results:

Result	Response	Severity
A	You have reported a FlowRATARunRecord for UnitStackPipeID [LocationID], MonitoringSystemID [SystemID], and TestNumber [TestNumber]. However, this system is not a FLOW system, and it is inappropriate to report a FlowRATARunRecord for a non-flow system. This test was not imported.	Critical Error Level 1

Usage:

1   Process/Category: QA and Certification Data Import QA and Certification Test Data Integrity

Check Code: IMPORT-20

Check Name: Duplicate Test Check

Related Former Checks:

Applicability: Import Check

Description: This check is to identify duplicate tests reported by Location ID, TestTypeCode and TestNumber.

Specifications:

For the current Workspace Test Summary record:

> Locate another Workspace Test Summary record with the same location, TestTypeCode, and TestNumber as the current record.

> If found,
>> return result A.

Results:

Result	Response	Severity
A	You have reported another Test Summary Record for Location [LocationID], TestTypeCode [TestTypeCode] and Test Number [TestNumber]. This Test was not imported.	Critical Error Level 1

Usage:

1	Process/Category:	QA and Certification Data Import QA and Certification Test Data Integrity

Check Code: IMPORT-21

Check Name: Duplicate Test Number Check

Related Former Checks:

Applicability: Import Check

Description: This check is to identify duplicate checks by Test Number containing different data than in the Test in the file
                          to be imported.

Specifications:

For the current Workspace Test Summary record:

Locate a Production Test Summary record with the same location, TestTypeCode, and TestNumber as the current record.

If found,

If SystemIdentifier, ComponentIdentifier, SpanScaleCode, EndDate, EndHour, Year, or Quarter in the retrieved record
are not all equal to the values in the current record,
set Mismatched Test Fields to the unequal fields in the record, and return result A.

else if EndMinute in the current record and the retrieved record are both not null and are not equal,
set Mismatched Test Fields to the unequal fields in the record, and return result A.

If not found,

Locate a Production QA Supp record with the same location, TestTypeCode, and TestNumber as the current record.

If found,
If the SystemIdentifier, ComponentIdentifier, SpanScaleCode, EndDate, EndHour, Year, or Quarter in the
retrieved record are not all equal to the value in the current record,
set Mismatched Test Fields to the unequal fields in the record, and return result A.

else if EndMinute in the current record and the retrieved record are both not null and are not equal,
set Mismatched Test Fields to the unequal fields in the record, and return result A.

Results:

Result	Response	Severity
A	The Client Tool database contains another Test Summary Record for Location [LocationID], TestTypeCode [TestTypeCode] and Test Number [TestNumber]. However, the value reported for [fieldname] is different between the two tests. This Test was not imported.	Critical Error Level 1

Usage:

1   Process/Category: QA and Certification Data Import QA and Certification Test Data Integrity

Check Code: IMPORT-24

Check Name: QA Facility Present in the Production Facility Table

Related Former Checks:

Applicability: Import Check

Description: Facility (ORIS Code) must be present in the Production facility table.

Specifications:

For the current Workspace QualityAssuranceAndCert File record:

     Locate a Production Facility record where the ORIS_CODE is equal to the ORIS_CODE in the current record.

     If not found,
          return result A.

Results:

Result	Response	Severity
A	The Client Tool database does not contain ORIS Code [ORIS Code]. This file was not imported.	Fatal

Usage:

1	Process/Category:	QA and Certification Data Import QA and Certification Data Integrity

Check Code:	IMPORT-30
Check Name:	Extraneous RATA Summary Data Check
Related Former Checks:	
Applicability:	Import Check
Description:	This check is to identify extraneous values in the RATA Summary record.
Specifications:	

For the current Workspace RATA Summary record:

If CO2OrO2ReferenceMethodCode is not null, or StackDiameter is not null, or StackArea is not null, or NumberOfTraversePoints is not null, or CalculatedWAF is not null, or DefaultWAF is not null,

Locate a Production Monitor System record for the location and SystemIdentifier in the associated TestSummary record.

If the SystemTypeCode in the retrieved Monitor System record is not equal to "FLOW",

Set Extraneous RATA Summary Fields to null.

If CO2OrO2ReferenceMethodCode is not null,
add "CO2OrO2ReferenceMethodCode" to Extraneous RATA Summary Fields.

If StackDiameter is not null,
add "StackDiameter" to Extraneous RATA Summary Fields.

If StackArea is not null,
add "StackArea" to Extraneous RATA Summary Fields.

If NumberOfTraversePoints is not null,
add "NumberOfTraversePoints" to Extraneous RATA Summary Fields.

If CalculatedWAF is not null,
add "CalculatedWAF" to Extraneous RATA Summary Fields.

If DefaultWAF is not null,
add "DefaultWAF" to Extraneous RATA Summary Fields.

return result A.

Results:

Result	Response	Severity
A	An extraneous value has been reported in [fieldname] in the RATA Summary record for Location [LocationID], TestTypeCode [TestTypeCode] and Test Number [TestNumber]. This value was not imported.	Non-Critical Error

Usage:

1	Process/Category:	QA and Certification Data Import QA and Certification RATA Integrity Check

Check Code: IMPORT-33

Check Name: Inappropriate Test Type For Location

Related Former Checks:

Applicability: Import Check

Description: This check determines if test type was reported for the appropriate location type.

Specifications:

For the current WorkspaceTest Summary record:

    If the UnitStackPipeID begins with "CS" or "MS",

        If the TestTypeCode is equal to "FFACC", "FFACCTT", "FF2LTST", "FF2LBAS", "APPE", "UNITDEF", "PEI", or "PEMSACC",
            set Test Location Type to "stack" and return result A.

    If the UnitStackPipeID begins with "CP",

        If the TestTypeCode is equal to "RATA", "LINE", "7DAY", "ONOFF", "CYCLE", "LEAK", "APPE", "UNITDEF", "PEMSACC", "HGLINE", or "HGSI3",
            set Test Location Type to "common pipe" and return result A.

    If the UnitStackPipeID begins with "MP",

        If the TestTypeCode is equal to "RATA", "LINE", "7DAY", "ONOFF", "CYCLE", "LEAK", "UNITDEF", "PEMSACC", "HGLINE", or "HGSI3",
            set Test Location Type to "multiple pipe" and return result A.

Results:

Result	Response	Severity
A	You have reported a [test type] test that is inappropriate for a [location type]. The test was not imported.	Critical Error Level 1

Usage:

1   Process/Category: QA and Certification Data Import QA and Certification Test Data Integrity

Check Code: IMPORT-34

Check Name: Inappropriate Year for Test

Related Former Checks:

Applicability: Import Check

Description:

Specifications:

For the current WorkspaceTest Summary record:

> If the CalendarYear is less than 1993 or greater than the current year,
> > return result A.

Results:

Result	Response	Severity
A	You reported an invalid Year in the Test Summary record for Location [LocationID], TestTypeCode [TestTypeCode] and Test Number [TestNumber]. The test was not imported.	Critical Error Level 1

Usage:

1	Process/Category:	QA and Certification Data Import QA and Certification Test Data Integrity

Check Code: IMPORT-35

Check Name: Inappropriate Children Records for Appendix E

Related Former Checks:

Applicability: Import Check

Description: This check is to identify inappropriate children records reported for an Appendix ETest .

Specifications:

For the current Workspace TestSummary record:

    If the TestTypeCode is equal to "APPE",

        For each unique SystemIdentifier in the Workspace Appendix E Heat Input from Gas records linked to the current test,

            Locate a Production Monitor System record for the location and SystemIdentifier.

            If the SystemTypeCode in the retrieved Monitor System record is not equal to "GAS",
                return result A.

        For each unique SystemIdentifier in the Workspace Appendix E Heat Input from Oil records linked to the current test,

            Locate a Production Monitor System record for the location and SystemIdentifier.

            If the SystemTypeCode in the retrieved Monitor System record is not equal to "OILV" or "OILM",
                return result B.

Results:

Result	Response	Severity
A	You have reported at least one Appendix Heat Input from Gas record for Location [LocationID], TestTypeCode [TestTypeCode] and Test Number [TestNumber], which is not associated with a GAS fuel flow system. This Appendix E test was not imported.	Critical Error Level 1
B	You have reported at least one Appendix Heat Input from Oil record for Location [LocationID], TestTypeCode [TestTypeCode] and Test Number [TestNumber], which is not associated with an OILV or OILM fuel flow system. This Appendix E test was not imported.	Critical Error Level 1

Usage:

    1   Process/Category: QA and Certification Data Import QA and Certification Test Data Integrity

Check Code: IMPORT-37

Check Name: Inappropriate Test End Date

Related Former Checks:

Applicability: Import Check

Description:

Specifications:

For the current WorkspaceTest Summary record:

      If the EndDate is not null,
            If the EndDate less than 1/1/1993 or greater than the current date,
                  return result A.

Results:

Result	Response	Severity
A	You reported an invalid EndDate in the Test Summary record for Location [LocationID], TestTypeCode [TestTypeCode] and Test Number [TestNumber]. The test was not imported.	Critical Error Level 1

Usage:

   1   Process/Category: QA and Certification Data Import QA and Certification Test Data Integrity

Check Category:

LME

Check Code: LME-1

Check Name: LME Facility and Units Present in the Production Facility Table

Related Former Checks:

Applicability: LME Check

Description: Facility (ORIS Code) must be present in the Production facility table

Specifications:

For the current LME Import File:

Set *LME Facility ID* to null.

Count the number of ORIS Codes in the file.

If *Count* <> 1
return result A.

If *Count* = 1,
Set *LME ORIS Code* to the ORIS Code.

Locate the ORIS Code in the production Facility table.

If not found,
return result B.

Otherwise,
Locate a Production Unit record for all locations in the file.

If not found for any location,
return result C.

Otherwise,
set *LME Facility ID* to the FacilityID in the facility record.

Results:

Result	Response	Severity
A	You have reported more than one ORIS Code in the file. The file was not imported.	Fatal
B	ORIS Code [ORIS] does not exist in the ECMPS database. The file was not imported.	Fatal
C	One or more units in the file for ORIS Code [ORIS] does not exist in the ECMPS database. The file was not imported.	Fatal

Usage:

1   Process/Category: LME Hourly Data Import LME Emissions Data Integrity

Check Code: LME-2

Check Name: LME File Configuration Valid

Related Former Checks:

Applicability: LME Check

Description: This check is to make sure that the emissions dates reported are valid.

Specifications:

For the current LME Import file:

    If the *LME Facility ID* is not null,

        If the BeginDate of any record in the file is not a valid date,
           return result A.

      Otherwise,

        Locate the earliest and latest BeginDate in the file.

        If the earliest and latest BeginDate are not in the same reporting period,
           return result B.

      Otherwise,

        Locate a MonitorMethod record for any unit in the file where the ParameterCode is equal to "SO2M", "NOXM", or "CO2M", and the MethodCode is equal "LME", the BeginDate is on or before the earliest BeginDate in the file, and EndDate is null or is on or after the latest EndDate in the file.

        If not found,
           return result C.

      Otherwise,

        Set *LME Reporting Period ID* to the ReportingPeriodID of the reporting period determined above.

        Locate a Production MonitorPlan record where the FacilityID is equal to the *LME Facility ID,* the BeginReportingPeriod is on or before the reporting period determined above, and EndReportingPeriod is null or is on or after the reporting period determined above, and which is linked to MonitorPlanLocation records containing all of the units in the file (but may also be linked to other units not in the file and one or more common pipes).

        If not found,
           return result D.

        Otherwise,
           set *LME MP ID* to the MonitoringPlanID in the retrieved record.

Results:

Result	Response	Severity
A	One or more dates in the file was not a valid date. The file was not imported.	Fatal
B	One or more dates in the file are not in the same reporting quarter as the other dates in the file. The file was not imported.	Fatal
C	There are no LME method records in the monitoring plan for the units in the file. The file was not imported.	Fatal
D	The units in the file do not belong to the same monitoring configuration during the reporting period. The file was not imported.	Fatal

Usage:

1   Process/Category: LME Hourly Data Import LME Emissions Data Integrity

Check Code: LME-4

Check Name: Check LME Import Begin Hour

Related Former Checks:

Applicability: LME Check

Description:

Specifications:

For each LME Hourly record:

> If BeginHour is null or is not a numeric value between 0 and 23 (inclusive),
>   return result A.

Results:

Result	Response	Severity
A	The Hour [hour] reported in the record for Unit [ID] on Date [date] is invalid. The record was not imported.	Critical Error Level 1

Usage:

1	Process/Category:	LME Hourly Data Import LME Hourly Data Integrity

Check Code: LME-5

Check Name: Check LME Import Op Time

Related Former Checks:

Applicability: LME Check

Description:

Specifications:

For each LME Hourly record:

     If OpTime is not null and is not a numeric value between 0.00 and 1.00 inclusive,
         return result A.

Results:

Result	Response	Severity
A	The [field] [value] reported in the record for Unit [ID] on Date [date] Hour [hour] is invalid. The value in this field was not imported.	Non-Critical Error

Usage:

1	Process/Category:	LME Hourly Data Import LME Hourly Data Integrity

Check Code: LME-6

Check Name: Check LME Import Load Value

Related Former Checks:

Applicability: LME Check

Description:

Specifications:

For each LME Hourly record:

      If LoadValue is not null and is not an integer value greater than or equal to 0,
          return result A.

Results:

Result	Response	Severity
A	The [field] [value] reported in the record for Unit [ID] on Date [date] Hour [hour] is invalid. The value in this field was not imported.	Non-Critical Error

Usage:

1	Process/Category:	LME Hourly Data Import LME Hourly Data Integrity

Check Code: LME-7

Check Name: Check LME Import Load UOM

Related Former Checks:

Applicability: LME Check

Description:

Specifications:

For each LME Hourly record:

      If LoadUOMCode is not null and is not equal to "MW", "KLBHR", or "MMBTUHR",
          return result A.

Results:

Result	Response	Severity
A	The [field] [value] reported in the record for Unit [ID] on Date [date] Hour [hour] is invalid. The value in this field was not imported.	Non-Critical Error

Usage:

1   Process/Category: LME Hourly Data Import LME Hourly Data Integrity

Check Code: LME-8

Check Name: Check LME Import Fuel Code List

Related Former Checks:

Applicability: LME Check

Description:

Validation Tables:

Fuel Code (Lookup Table)

Specifications:

For each LME Hourly record:

For each item in the FuelCodeList (delimited by semi-colon):

Lookup item in the FuelCode table.

If not found, or if the FuelGroup is not equal to "OIL" or "GAS",
return result A.

Results:

Result	Response	Severity
A	One or more fuel codes in the FuelCodeList [fuels] for Unit [ID] on Date [date] Hour [hour] is not a valid gas or oil fuel code. The value in the FuelCodeList was not imported.	Non-Critical Error

Usage:

1   Process/Category: LME Hourly Data Import LME Hourly Data Integrity

Check Code: LME-9

Check Name: Check LME Import Operating Condition Code

Related Former Checks:

Applicability: LME Check

Description:

Specifications:

For each LME Hourly record:

      If the OperatingConditionCode is not null and is not equal to "C", "U", "B", or "P",
          return result A.

Results:

Result	Response	Severity
A	The [field] [value] reported in the record for Unit [ID] on Date [date] Hour [hour] is invalid. The value in this field was not imported.	Non-Critical Error

Usage:

1	Process/Category:	LME Hourly Data Import LME Hourly Data Integrity

Check Code: LME-39

Check Name: Check LME Import MHHI Indicator

Related Former Checks:

Applicability: LME Check

Description:

Specifications:

For each LME Hourly record:

      If the MHHIIndicator is not null and is not equal to "Y",
          return result A.

Results:

Result	Response	Severity
A	The [field] [value] reported in the record for Unit [ID] on Date [date] Hour [hour] is invalid. The value in this field was not imported.	Non-Critical Error

Usage:

1	Process/Category:	LME Hourly Data Import LME Hourly Data Integrity	

Check Code: LME-46

Check Name: Duplicate LME Import Hourly Op Record

Related Former Checks:

Applicability:

Description: Checks the LME Hourly Op import rows to determine whether duplicate rows exist.

Specifications:

Set *LME Duplicate Hourly Op Import List* to null.

If *LME Duplicate Hourly Op Import Records* contains one or more rows,

    For each record in *LME Duplicate Hourly Op Import Records*

        Append the record's LocationName, BeginDate and BeginHour to *LME Duplicate Hourly Op Import List*.

    return result A.

Results:

Result	Response	Severity
A	You have reported more than one hourly record for the same unit and hour. There should only be one record per unit per hour. This file was not imported.	Fatal

Usage:

1	Process/Category:	LME Hourly Data Import LME Emissions Data Integrity