**EMTS v3.0 Change Control Log**

**I. List of Changes**

The following XSD changes have been implemented in EMTS Schema v3.0 (see table below for more information):

1. A new data element entitled “QAPServiceTypeCode” will be required for Buy, Sell, Separate, Retire, and Generate transactions, and optional for Lock and Unlock transactions. This field will indicate the QAP service level associated with the RINs. The code options will be made available at a later date.

2. A new data element entitled “QapProviderOrganizationIdentifier” will be available (not required) for Lock and Unlock Transactions. This field will indicate the OTAQ Registration identifier of the organization that verified the RINs.

3. An existing complex data type, entitled “OriginatingSourceDetail,” will be required for Lock and Unlock transactions (as LockOriginatingSourceDetail and UnlockOriginatingSourceDetail). This complex data type is comprised of the following elements:

i. GenerateOrganizationIdentifier (this element is required for all Lock and Unlock transactions),

ii. GenerateFacilityIdentifier (optional, but required if reporting BatchNumberText) and,

iii. BatchNumberText (optional, but if this element is reported, both GenerateOrganizationIdentifier and GenerateFacilityIdentifier are required).

4. Two new transaction types were added: Lock and Unlock.

5. The minimum value for Compliance Year and RIN Year is now 2010.

| **Type of Change** | **New Element Name** | **Old Element Name** | **Type of Transaction(s) Affected** | **Required Reporting****Element?** | **Description of Change** |
| --- | --- | --- | --- | --- | --- |
| New required element | QAPServiceTypeCode | N/A | Buy, Sell, Separate, RetireGenerate, LockUnlock | Yes | These codes will be added to indicate the QAP service type of the RINs: 10 - RINs are verified30 - RINs are not verified |
| OriginatingSourceDetail  | OriginatingSourceDetail | Lock, Unlock | Yes | OriginatingSourceDetail will be required for Lock and Unlock transactions. This complex data type is comprised of the following elements: GenerateOrganizationIdentifier (this element is required for all Lock and Unlock transactions), GenerateFacilityIdentifier (optional, but required if reporting BatchNumberText) and, BatchNumberText (optional, but if reported, GenerateOrganizationIdentifier and GenerateFacilityIdentifier are required).  |
| New optional element | QapProviderOrganizationIdentifier | N/A | Lock, Unlock | No | The identifier of the RIN-validating organization can now be optionally specified in lock and unlock transactions. |
| New transaction type | N/A | N/A | Lock | No | This is a new transaction type to allow users to ‘lock’ RIN batches via XML submission. |
| N/A | N/A | Unlock | No | This is a new transaction type to allow users to ‘unlock’ RIN batches via XML submission. |
| Set minimum value for element | ComplianceYear | ComplianceYear  | Retire | No | Value must now be between 2010 and 9999. |
| RINYear | RINYear | Buy, Sell, Separate, Retire, Lock, Unlock | Yes | Value must now be between 2010 and 9999. |