

Errata for GS1 US Implementation Guideline: Applying GS1 Standards for DSCSA and Traceability Release 1.2

In [The Applying GS1 System of Standards for DSCSA and Serialized Interoperable Traceability Implementation Guideline R1.2](#), the eventTime population rule was incorrectly published with a guidance to populate the eventTime of the transaction event to **match** the date and time of the corresponding *Shipping* event. However, to allow for sequencing and avoid potential issues when there are multiple transaction events for a *Shipping* event, it is important for the eventTime to **precede** the date and time. While a discrepancy in the published version of *The Applying GS1 System of Standards for DSCSA and Serialized Interoperable Traceability Implementation Guideline R1.2* was identified by the RxSecureSupplyChain workgroup, it was decided by the workgroup to correct this in practice and publish the correction in the next release of the implementation guideline, R1.3.

Element	Usage	Type	Value	Reason
Applying GS1 System of Standards for DSCSA and Serialized Interoperable Traceability Implementation Guideline R1.3				
eventTime	Required	Timestamp	<p>Date and time of event. This should precede the date and time of the corresponding <i>Shipping</i> event.</p> <p>Note: When sharing the same event across trading partners, the event time should be the same across all trading partners. Although EPCIS provides for millisecond precision, the event time may be expressed with less precision and is recommended¹ to be provided in no more than second precision to ensure systems across all systems in the supply chain are properly sequencing events.</p>	<p>EPCIS standard definition</p> <p>For purposes of DSCSA, the shipping business transaction detail event time precedes the shipping date (when bizStep = shipping).</p>

Clarification on eventTime:

[The Applying GS1 System of Standards for DSCSA and Serialized Interoperable Traceability Implementation Guideline R1.2 and R1.3](#) normative reference is EPCIS release 1.2 (2016)

- the `<xsd:element name="eventTime" type="xsd:dateTime"/>`.
- eventTime defined as xsd:dateTime which requires a time zone specifier per EPCIS 1.2.
- Consequently, for each instance in The Applying GS1 System of Standards for DSCSA and Serialized Interoperable Traceability Implementation Guideline R1.2 and R1.3 where Type is set to "Timestamp", the corrected value for Type is xsd:dateTime, which normatively aligns with EPCIS 1.2.

9.5 Schema for core event types

The following is an XML Schema (XSD) for the Core Event Types data definition module. This schema imports additional schemas as shown in the following table:

Namespace	Location Reference	Source
urn:epcglobal:xsd:1	EPCglobal.xsd	Section 9.3
http://www.unece.org/cefact/namespaces/StandardBusinessDocumentHeader	StandardBusinessDocumentHeader.xsd	UN/CEFACT web site; see Section 9.2

In addition to the constraints implied by the schema, any value of type xsd:dateTime in an instance document SHALL include a time zone specifier (either "z" for UTC or an explicit offset from UTC).

¹ The RxSecureSupplyChain workgroup recommends that eventTime precision not exceed seconds. However, it is acceptable for a trading partner to generate, record, and consistently share events with eventTime in greater precision than seconds. Trading partners receiving events from upstream trading partners with eventTime precision greater than seconds shall not reject events with greater precision than seconds. Trading partners shall maintain and store the eventTime value with the same degree of precision as received from upstream trading partners.