

## Child Services Assessment Event

Version: 2.0

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### Document Version History

Version	Status	BDS Approval Date	TDS Issue Date	Modified by	Description
1.0	Approved: Recommended	24/02/2014	27/03/2015	ISB	New technical standard.
2.0	Approved: Recommended	23/06/2015	10/08/2015	ISB	Amend element Meeting_Notes to Event_Notes.

## Contents

<b>1</b>	<b><i>Data Standard</i></b>	<b>3</b>
1.1	Introduction	3
1.1.1	Application	3
1.1.2	Compatibility with non-ISB standards	3
<b>2</b>	<b><i>XSD</i></b>	<b>4</b>
<b>3</b>	<b><i>XSD Normalisation</i></b>	<b>5</b>
3.1	Introduction	5
3.2	Details of Normalisation specific to Child Services Assessment Event	5
<b>4</b>	<b><i>XSD Optimisation</i></b>	<b>6</b>
4.1	Introduction	6
4.2	Details of Optimisation specific to Child Services Assessment Event	6
4.3	Applying the Optimisation within the Application Program Interface	7
<b>5</b>	<b><i>Changes from previous version</i></b>	<b>8</b>
<b>6</b>	<b><i>References</i></b>	<b>8</b>
<b>7</b>	<b><i>Notes</i></b>	<b>8</b>
<b>8</b>	<b><i>Copyright Notice</i></b>	<b>9</b>

# 1 DATA STANDARD

## 1.1 Introduction

### 1.1.1 Application

This Technical Data Standard (TDS) binds the Child Services Assessment Event Business Data Standard (BDS) to an XML Schema (XSD) representation.

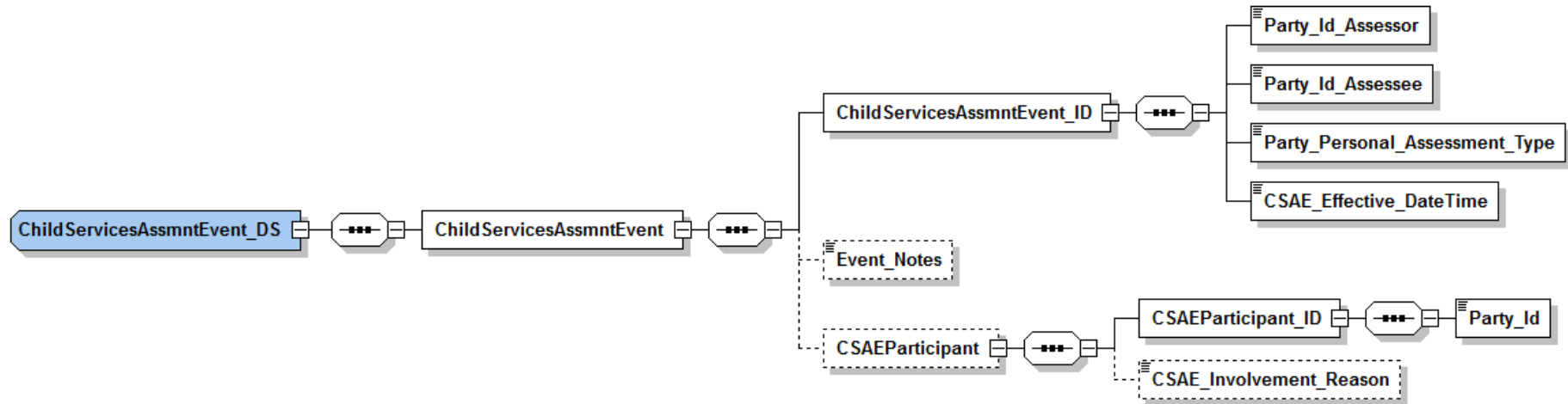
This standard can be used to store or exchange data that covers the event of recording a CHILD SERVICES ASSESSMENT EVENT. These are events that take place as part of a CHILD SERVICES ASSESSMENT.

The assessment of a child as part of a CHILD SERVICES ASSESSMENT will result in many associated events being conducted. These events may or may not involve the ASSESSEE. This standard allows the recording of these events, attendees and any decisions or actions that are identified during that event such as notes taken.

### 1.1.2 Compatibility with non-ISB standards

There are no known compatibility issues related to this standard.

2 XSD



### 3 XSD NORMALISATION

#### 3.1 Introduction

This section defines normalisation that has been applied. The Business Data Standard data model may contain multiple entities that inherit primary keys from a parent entity. In this situation the same primary keys will occur in multiple entities. If this pattern was translated directly to the xsd then the same primary key element(s) would be repeated within the xsd. When parsing the xml, if the element was referenced without xpath then the particular instance of the repeated primary key element could not be determined.

If all instances of the repeated primary key element(s) contained the same value then there would not be an issue. However, if there were different values in the repeated primary key element(s) then the value to be returned would be indeterminate. To prevent this situation the conversion from the Entity Relationship Diagram (ERD) model to the xsd involved normalisation to remove the repetition. This results in nodes being created in the xsd to define primary keys once and sub-nodes created that inherit those keys. This section will identify any normalisation that has taken place and how it has been implemented in the schema.

#### 3.2 Details of Normalisation specific to Child Services Assessment Event

The Child Services Assessment Event consists of a primary entity Child Services Assmnt Event and an associate entity CSAE Participant.

The common primary keys of both entity Child Services Assmnt Event and CSAE Participant are held under the ChildServicesAssmntEvent\_ID note.

The CSAM Participant entity inherits from the Child Services Assmnt Event, the primary keys of

- Party\_Id\_Assessor
- Party\_Id\_Assessee
- Party\_Personal\_Assessment\_Type
- CSAE\_Effective\_DateTime

The additional primary key specific to the CSAE Participant is held under the CSAEParticipant\_ID node

## 4 XSD OPTIMISATION

### 4.1 Introduction

This section defines optimisation that has been applied to the xsd. The Business Data Standard data model may contain compound keys made up from a number of attributes. The sequence of the attributes in the Business Data Standard data model is defined to identify any opportunities for optimisation in encodings that can accommodate that capability.

An example is where the primary key contains the values of Party\_Id and then Event\_Id. This implies that a single Party\_Id may have many Event\_Ids. Encodings that can accommodate optimisation can define the Party\_Id once and then under that have many Event\_Ids. For xml encoding, a single Party\_Id element node can be defined with an unbounded list under that node for the Event\_Ids. This reduces the amount of data redundancy.

### 4.2 Details of Optimisation specific to Child Services Assessment Event

The Child Services Assessment Event structure is optimised as follows:

- Under the ChildServicesAssmntEvent\_ID there is a primary key set (1) containing:
  - Party\_Id\_Assessor
  - Party\_Id\_Assessee
  - Party\_Personal\_Assessment\_Type
  - CSAE\_Effective\_DateTime
- Under the CSAEParticipant\_ID node there is a primary key set (2) containing:
  - Party\_Id

Therefore

- for one instance of primary key set (1) there are multiple instances of primary key set (2)

The Child Services Assessment Event has one level of optimisation.

### 4.3 Applying the Optimisation within the Application Program Interface

When creating data for the Child Services Assessment Meeting primary keys there are two options available that both satisfy the xsd

- Option 1 – One ChildServicesAssmntEvent\_ID with many CSAEParticipant\_ID
- Option 2 – One ChildServicesAssmntEvent\_ID with one instance of CSAEParticipant\_ID

Option 1 utilises the optimisation as there will be one ChildServicesAssmntEvent\_ID with all of its CSAEParticipant\_ID instances

Option 2 does not use the optimisation and repeats the ChildServicesAssmntEvent\_ID against a single CSAEParticipant\_ID instance

Providing Option 1 is coded for in the application then either option 1 or 2 option can be supported. However, this is not true if option 2 only is coded for as the program will not hold the ChildServicesAssmntEvent\_ID in memory for use against each of its CSAEParticipant\_ID nodes.

The recommendation is always to code for the optimisation method Option 1.

## 5 CHANGES FROM PREVIOUS VERSION

- Effective date – replace “Meeting” with “Event” in the definition in the two entities
- Rename Meeting\_Notes to Event\_Notes and amend definition accordingly

## 6 REFERENCES

The following references are specific to this Technical Data Standard:

- ESCS ISB Consolidated XML (XSD) Schema, version 6.2
- ESCS ISB Business Data Architecture Entity Relationship Diagram, version 10.2
- ESCS ISB XML Content model 1.1
- ESCS ISB, Business Data Standard, Child Services Assessment Event

The following references apply to all Technical Data Standards:

- ESCS ISB Standards Overview and Context
- ESCS ISB “System“ Enterprise Architecture - Business Data Architecture
- ESCS ISB Business Data Architecture Data Types
- ESCS ISB BDA Data Architecture Modelling Standards
- ESCS ISB Management Process

## 7 NOTES

None.



## 8 COPYRIGHT NOTICE

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File: TDS-Child-Services-Assessment-Event	Page 9 of 9	Version: 2.0 Status: Approved: Recommended	Issue Date: 10/08/2015
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