

QE Availability

BDA Version: Education, Skills and Children's Services ERD vs 12

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Version	Status	Approval Date	Issue Date	Modified by	Description
1.0	Approved: Recommended	25/09/2012	25/09/2012	ISB	New Standard.
2.0	Approved: Recommended	23/07/2013	23/07/2013	ISB	Updated due to a change to the Primary Key of the entity QE Availability.
3.0	Approved: Recommended	07/04/2014	07/04/2014	ISB	Changes to entity attributes.
4.0	Approved: Recommended	04/08/2014	04/08/2014	ISB	Changes to non-Primary Key attributes of QE Availability. QE Availability Fee entity deleted and replaced by two new entities.
5.0	Approved: Recommended	24/02/2015	27/03/2015	ISB	Key_Event_Description in QE Availability Key Event entity renamed Key_Event_Additional_Text
6.0	Approved:	23/06/2015	10/08/2015	ISB	Amend attribute name due to space in the name – remove

	Recommended				space between "Fee_" and "Additional_Text".
7.0	Approved: Recommended	22/03/2016	26/04/2016	ISB	Amend the description of the QE Availability Key Event entity and Amend the attribute name Series_Label to be QE_Availability_Label in the QE Availability entity

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The following references apply to all Business 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

Only those entities within the boundary square in the diagrams are part of this particular data standard, entities outside the boundary are shown for context purposes only (and can be found within other Business Data Standards), or separate Controlled List reference data.

Subject Area

<i>Subject Area Name</i>	<i>Subject Area Definition</i>
QE Availability	This standard can be used to store or exchange data that covers the maintenance of Qualification Element purchasing availability. The QE AVAILABILITY identifies periods of time during which a QUALIFICATION ELEMENT may be "consumed" i.e. an assessment taken, and the applicable events and fees.

QE Availability Entity Def View

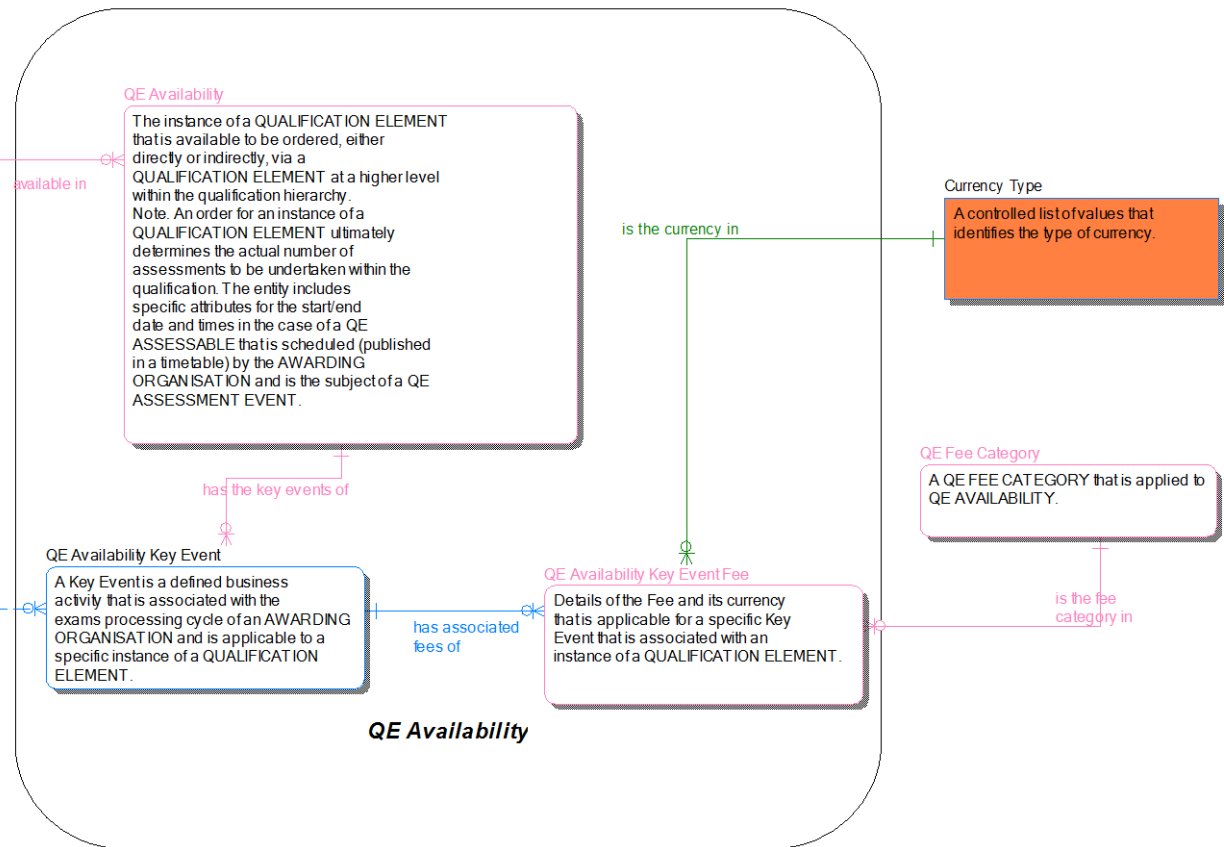
Qualification Element

A statement of achievement or competence in a specific subject or skill that is awarded or verified by the appropriate AWARDING ORGANISATION. This encompasses discrete assessable elements and other higher level structures that support examination administrative processes such as making an entry or issuing a result. An ELEMENT of a QUALIFICATION that identifies the assessment criteria required to meet a level of achievement or knowledge which can be verified. Contains the various tier components that make up a QUALIFICATION ELEMENT and include the SCHEME, AWARD, PATHWAY, LEARNING UNIT and ASSESSABLE.

Time Period Type

A controlled list of values that identifies the scheduled time subdivision of a PARTY TIME PERIOD REFERENCE. E.g. "Year", "Term", "Week", "Day", "Morning", "Afternoon", etc.

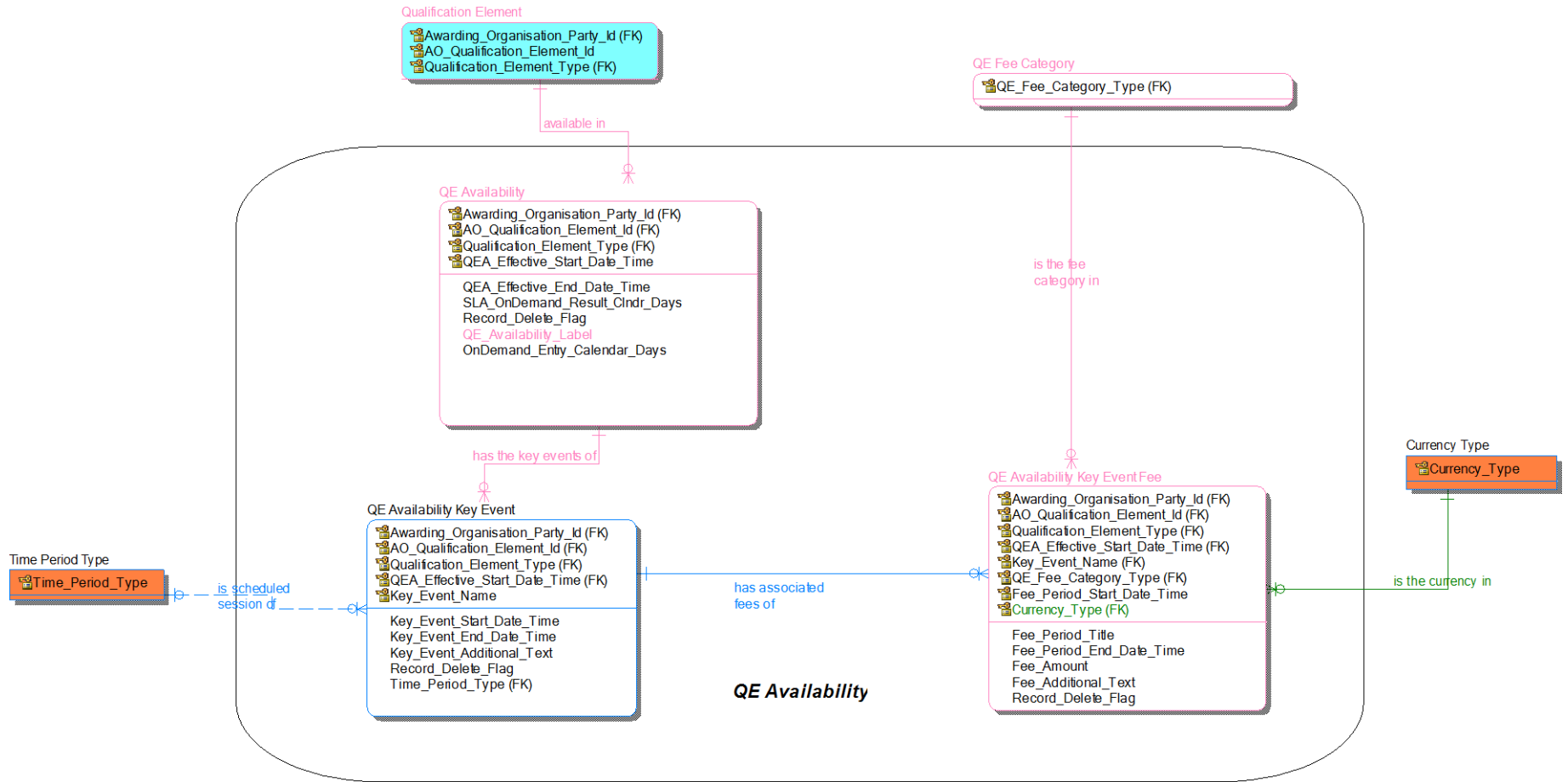
is scheduled session of



Entity Definitions

Entity Name	Entity Definition
QE Availability	<p>The instance of a QUALIFICATION ELEMENT that is available to be ordered, either directly or indirectly, via a QUALIFICATION ELEMENT at a higher level within the qualification hierarchy.</p> <p>Note. An order for an instance of a QUALIFICATION ELEMENT ultimately determines the actual number of assessments to be undertaken within the qualification. The entity includes specific attributes for the start/end date and times in the case of a QE ASSESSABLE that is scheduled (published in a timetable) by the AWARDING ORGANISATION and is the subject of a QE ASSESSMENT EVENT.</p>
QE Availability Key Event	<p>A Key Event is a defined business activity that is associated with the exams processing cycle of an AWARDING ORGANISATION and is applicable to a specific instance of a QUALIFICATION ELEMENT.</p>
QE Availability Key Event Fee	<p>Details of the Fee and its currency that is applicable for a specific Key Event that is associated with an instance of a QUALIFICATION ELEMENT.</p>

QE Availability Attribute View



Attribute Definitions

QE Availability							
<i>Attribute Name</i>	<i>Attribute Definition</i>	<i>Attribute Required</i>	<i>Attribute Is PK</i>	<i>Attribute Is FK</i>	<i>Attribute Note</i>	<i>Attribute History Event Description</i>	<i>Attribute Basename</i>
Awarding_Organisation_Party_Id	A value that denotes and distinguishes the PARTY.	Yes	Yes	Yes		Migrated foreign key from Qualification Element.	Awarding_Organisation_Party_Id
AO_Qualification_Element_Id	A value that uniquely identifies a specific part of a Qualification and applies to one or more QUALIFICATION ELEMENT(s) within an AWARDING ORGANISATION.	Yes	Yes	Yes	The same value may be used for a number of QUALIFICATION ELEMENTS provided they are differentiated by Qualification_Element_Type .	Migrated foreign key from Qualification Element.	AO_Qualification_Element_Id
Qualification_Element_Type	A controlled list of values that denotes the type and behaviour of the specific QUALIFICATION ELEMENT. Values are "Scheme", "Award", "Learning Unit", "Pathway", "Assessable".	Yes	Yes	Yes		Migrated foreign key from Qualification Element.	Qualification_Element_Type
QEA_Effective_Start_Date_Time	The effective date and time of the QE AVAILABILITY.	Yes	Yes	No		Created in current model	QEA_Effective_Start_Date_Time
QEA_Effective_End_Date_Time	The date and time from which the QE AVAILABILITY ceases to be	No	No	No		Created in current model	QEA_Effective_End_Date_Time

	available.						
SLA_OnDemand_Result_Clnr_Days	An Awarding Organisation determined value that defines an integer number of calendar days that represents a service level agreement for QE AWARDS where results are reported for on-demand QUALIFICATION ELEMENT(s).	No	No	No	This attribute represents a short term pragmatic approach as it does not take into account working days, holidays, or periods of high processing volumes within an Awarding Organisation, so the value can at best be regarded as an "average" to be used as a general guide.	Created in current model	SLA_OnDemand_Result_Clnr_Days
Record_Delete_Flag	A flag that indicates that the record should be deleted.	No	No	No		Created in current model	Record_Delete_Flag
QE_Availability_Label	The AWARDING ORGANISATION's label for a session within an academic year associated with the delivery of examination assessments that enables key dates and events related to the examination assessment process to be grouped, from an Awarding Organisation perspective.	No	No	No	This label may be a Series with a simple name, such as June 2013 or any other label used by the Awarding Organisation.	Created in current model	QE_Availability_Label
OnDemand_Entry_Calendar_Days	An AWARDING ORGANISATION determined value that defines an integer number of	No	No	No	This attribute represents a short term pragmatic approach as it does not take into account working days, holidays, or periods of high	Created in current model	OnDemand_Entry_Calendar_Days

	calendar days before the proposed centre-scheduled assessment date, after which a CENTRE generated on demand entry may be rejected due to various logistical reasons. The objective is to allow an Exams Officer to make a subjective judgement prior to data entry to reduce the probability of invalid orders being submitted and rejected.				processing volumes within an AWARDING ORGANISATION, so the value can at best be regarded as an "average" to be used as a general guide.		
QE Availability Key Event							
<i>Attribute Name</i>	<i>Attribute Definition</i>	<i>Attribute Required</i>	<i>Attribute Is PK</i>	<i>Attribute Is FK</i>	<i>Attribute Note</i>	<i>Attribute History Event Description</i>	<i>Attribute Basename</i>
Awarding_Organisation_Party_Id	A value that denotes and distinguishes the PARTY.	Yes	Yes	Yes		Migrated foreign key from QE Availability.	Awarding_Organisation_Party_Id
AO_Qualification_Element_Id	A value that uniquely identifies a specific part of a Qualification and applies to one or more QUALIFICATION ELEMENT(s) within an AWARDING ORGANISATION.	Yes	Yes	Yes	The same value may be used for a number of QUALIFICATION ELEMENTS provided they are differentiated by Qualification_Element_Type .	Migrated foreign key from QE Availability.	AO_Qualification_Element_Id
Qualification_Element	A controlled list of values that denotes	Yes	Yes	Yes		Migrated foreign key from QE Availability.	Qualification_Element_Type

ent_Type	the type and behaviour of the specific QUALIFICATION ELEMENT. Values are "Scheme", "Award", "Learning Unit", "Pathway", "Assessable".						
QEA_Effective_Start_Date_Time	The effective date and time of the QE AVAILABILITY.	Yes	Yes	Yes		Migrated foreign key from QE Availability.	QEA_Effective_Start_Date_Time
Key_Event_Name	A name that uniquely identifies the Key Event.	Yes	Yes	No		Created in current model	Key_Event_Name
Key_Event_Start_Date_Time	The start date and time of the Key Event.	No	No	No		Created in current model	Key_Event_Start_Date_Time
Key_Event_End_Date_Time	The end date and time of the Key Event.	No	No	No		Created in current model	Key_Event_End_Date_Time
Key_Event_Additional_Text	Additional textual guidance information about the KEY EVENT.	No	No	No		Created in current model	Key_Event_Additional_Text
Record_Delete_Flag	This attribute indicates that the record should be deleted.	No	No	No		Created in current model	Record_Delete_Flag
Time_Period_Type	A controlled list of values that identifies the scheduled time subdivision of a PARTY TIME PERIOD REFERENCE E.g.	No	No	Yes		Migrated foreign key from Time Period Type.	Time_Period_Type

	"Year", "Term", "Week", "Day", "Morning", "Afternoon", etc.						
QE Availability Key Event Fee							
<i>Attribute Name</i>	<i>Attribute Definition</i>	<i>Attribute Required</i>	<i>Attribute Is PK</i>	<i>Attribute Is FK</i>	<i>Attribute Note</i>	<i>Attribute History Event Description</i>	<i>Attribute Basename</i>
Awarding_Organisation_Party_Id	A value that denotes and distinguishes the PARTY.	Yes	Yes	Yes		Migrated foreign key from QE Availability Key Event.	Awarding_Organisation_Party_Id
AO_Qualification_Element_Id	A value that uniquely identifies a specific part of a Qualification and applies to one or more QUALIFICATION ELEMENT(s) within an AWARDING ORGANISATION.	Yes	Yes	Yes	The same value may be used for a number of QUALIFICATION ELEMENTS provided they are differentiated by Qualification_Element_Type .	Migrated foreign key from QE Availability Key Event.	AO_Qualification_Element_Id
Qualification_Element_Type	A controlled list of values that denotes the type and behaviour of the specific QUALIFICATION ELEMENT. Values are "Scheme", "Award", "Learning Unit", "Pathway", "Assessable".	Yes	Yes	Yes		Migrated foreign key from QE Availability Key Event.	Qualification_Element_Type
QEA_Effective_Start_Date_Time	The effective date and time of the QE AVAILABILITY.	Yes	Yes	Yes		Migrated foreign key from QE Availability Key Event.	QEA_Effective_Start_Date_Time
Key_Event_Name	A name that uniquely identifies the Key Event.	Yes	Yes	Yes		Migrated foreign key from QE Availability Key Event.	Key_Event_Name
QE_Fee_	A controlled list of	Yes	Yes	Yes		Migrated foreign key	QE_Fee_Category_Typ

Category_Type	values that identifies the type of QE FEE CATEGORY. Values include: Learner, Enrolment, Registration, Entry, Resit, Outcome submission, Top Up, Fall Back, Post-results Award, Certificate.					from QE Fee Category.	e
Fee_Period_Start_Date_Time	The date/time from which the QE AVAILABILITY KEY EVENT FEE commences and is chargeable.	Yes	Yes	No		Created in current model	Fee_Period_Start_Date_Time
Currency_Type	A controlled list of values that identifies the type of currency	Yes	Yes	Yes		Migrated foreign key from Currency Type.	Currency_Type
Fee_Period_Title	A title for the period that the Fee is applicable.	No	No	No		Created in current model	Fee_Period_Title
Fee_Period_End_Date_Time	The date/time from which the QE AVAILABILITY KEY EVENT FEE ceases and is no longer chargeable.	No	No	No		Created in current model	Fee_Period_End_Date_Time
Fee_Amount	Identifies the amount to be charged	No	No	No		Created in current model	Fee_Amount
Fee_Additional_Text	Additional text about the Fee applicable to this availability instance of the QUALIFICATION	No	No	No		Created in current model	Fee_Additional_Text

	ELEMENT.						
Record_Delete_Flag	A flag that indicates that the record should be deleted.	No	No	No		Created in current model	Record_Delete_Flag

Attribute ISB Logical Data Types

Entity Name	Attribute Name	UDP ISB Logical Data Type
QE Availability		
	Attribute Name	
	Awarding_Organisation_Party_Id	
		UDP ISB Logical Data Type
		Unicode_String(1,32)
	AO_Qualification_Element_Id	
		UDP ISB Logical Data Type
		Unicode_String(1,50)
	Qualification_Element_Type	
		UDP ISB Logical Data Type
		Unicode_String(1,32)
	QEA_Effective_Start_Date_Time	
		UDP ISB Logical Data Type
		Simple_DateTime
	QEA_Effective_End_Date_Time	
		UDP ISB Logical Data Type
		Simple_DateTime
	SLA_OnDemand_Result_Clnr_Days	
		UDP ISB Logical Data Type
		Simple_Integer(1,3)
	Record_Delete_Flag	
		UDP ISB Logical Data Type
		Simple_Flag
	QE_Availability_Label	
		UDP ISB Logical Data Type
		Unicode_String(1,50)
	OnDemand_Entry_Calendar_Days	

		UDP ISB Logical Data Type
		Simple_Integer(1,3)
QE Availability Key Event		
	Attribute Name	
	Awarding_Organisation_Party_Id	
		UDP ISB Logical Data Type
		Unicode_String(1,32)
	AO_Qualification_Element_Id	
		UDP ISB Logical Data Type
		Unicode_String(1,50)
	Qualification_Element_Type	
		UDP ISB Logical Data Type
		Unicode_String(1,32)
	QEA_Effective_Start_Date_Time	
		UDP ISB Logical Data Type
		Simple_DateTime
	Key_Event_Name	
		UDP ISB Logical Data Type
		Unicode_String(1,100)
	Key_Event_Start_Date_Time	
		UDP ISB Logical Data Type
		Simple_DateTime
	Key_Event_End_Date_Time	
		UDP ISB Logical Data Type
		Simple_DateTime
	Key_Event_Additional_Text	
		UDP ISB Logical Data Type
		Unicode_String(1,400)
	Record_Delete_Flag	
		UDP ISB Logical Data Type
		Simple_Flag
	Time_Period_Type	
		UDP ISB Logical Data Type

Entity Name		
		Unicode_String(1,50)
QE Availability Key Event Fee		
	Attribute Name	
	Awarding_Organisation_Party_Id	
		UDP ISB Logical Data Type
		Unicode_String(1,32)
	AO_Qualification_Element_Id	
		UDP ISB Logical Data Type
		Unicode_String(1,50)
	Qualification_Element_Type	
		UDP ISB Logical Data Type
		Unicode_String(1,32)
	QEA_Effective_Start_Date_Time	
		UDP ISB Logical Data Type
		Simple_DateTime
	Key_Event_Name	
		UDP ISB Logical Data Type
		Unicode_String(1,100)
	QE_Fee_Category_Type	
		UDP ISB Logical Data Type
		Unicode_String(1,100)
	Fee_Period_Start_Date_Time	
		UDP ISB Logical Data Type
		Simple_DateTime
	Currency_Type	
		UDP ISB Logical Data Type
		Unicode_String(1,80)
	Fee_Period_Title	
		UDP ISB Logical Data Type
		Unicode_String(1,50)
	Fee_Period_End_Date_Time	
		UDP ISB Logical Data Type

Entity Name		
		Simple_DateTime
	Fee_Amount	
		UDP ISB Logical Data Type
		Simple_Decimal(9,2)
	Fee_Additional_Text	
		UDP ISB Logical Data Type
		Unicode_String(1,400)
	Record_Delete_Flag	
		UDP ISB Logical Data Type
		Simple_Flag

Changes from Previous Version

Entity	Change
QE Availability Key Event Fee	Add 1:m identifying relationship from Currency Type to QE Availability Key Event Fee. This will propagate the Currency_Type identifying attribute from Currency Type to QE Availability Key Event Fee as part of the identifiers.
QE Availability Key Event	Amend the description of the QE Availability Key Event entity
QE Availability	Amend the attribute name Series_Label to be QE_Availability_Label in the QE Availability entity. Amend description of attribute and add note explaining its use.

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