All Fields marked with * are mandatory.

Change Request #:	302
Assigned OGC Document #:	13-069
Name:	*David Stuebe
Organization:	*RPS-ASA
Email:	*dstuebe@asascience.com
Document Name/Version:	*SWE Common Data Model Encoding Standard / 2.0
OGC Project Document:	*08-094r1

If this is a revision of a previous submission and you have a Change Request Number, then check here: ☐
Enter the CR number here: [ ]
Enter the Revsion Number that you are revising here: [ ]

Title: ⓘ	* [DataChoice Cardinality]
Source: ⓘ	*IOOStech working group
Work item code: ⓘ	
Category: ⓘ	* [C (Functional modification of feature) ⇕]

Reason for change: ⓘ	* There is no need to require a cardinality of two or more (2*) on the elements of a DataChoice field. It places an unnecessary constraint on the data model which requires a different structure for degenerate cases of a single item or the use of a dummy item to meet the requirements.
Summary of change: ⓘ	* Make the minOccurs attribute of the sequence element named item equal to zero.
Consequences if not approved: ⓘ	Dummy data choice items will be used to meet a spec requirement that serves no purpose.

Clauses affected: ⓘ	* 8.3.1 ... This element contains a list of (at least two) "item" property elements, each with a "name" attribute and containing the data component element that defines the field.

Additional Documents affected: ⓘ	The IOOS SOS 1.0 templates are affected by this issue. See examples here: https://code.google.com /p/ioostech/source/browse/#svn%2Ftrunk%2Ftemplates%2FMilestone1.0 The single station, single property example is included purely due to this issue as it requires the use of a dummy item.
Supporting Documentation: ⓘ	Included a snippet of the current and suggested xsd.
Comments: ⓘ	Please, please change this.
Status: ⓘ	Assigned ⬍
Assigned To: ⓘ	SWECommonSWG (archived) ⬍
Disposition: ⓘ	Referred ⬍