

## Paper for Consideration by the S-100WG

### Editorial Changes in Part10a

**Submitted by:** SevenCs GmbH – Holger Bothien  
**Executive Summary:** Proposal for editorial changes in S-100 Part 10a  
**Related document(s):** S-100 Part 10a

#### Introduction / Background

During an implementation phase a few errors have been detected in the S-100 Part 10a.

#### Analysis/Discussion

##### **S-100 10a-4.1.1 Encoding rules**

The following table:

Index	NATC	ATIX	PAIX	ATIN	ATVL	Remark
1	21	1	0	Insert	Vachon	A1
2	22	1	0	Insert		A2 - composite
3	25	1	2	Insert	42.0	A5
4	26	1	2	Insert		A6 - composite
5	29	1	4	Insert	17	A9
6	29	2	4	Insert	43	A10
7	23	1	0	Insert	12	A3
8	24	1	0	Insert		A4 - composite
9	27	1	8	Insert	123	A7
10	28	1	8	Insert	Canada	A8

The remark column has the term 'composite'. For consistency reasons this should be 'complex'.

In the next table:

Attribute	Code	Attribute Index	Value	Update Instruction	Remarks
B5	29	2	32	Insert	Will change A10's index to 3
A10	29	3	7	Modify	
B2	35	1		Insert	complex
B3	36	1	32	Insert	
B4	37	1	123	Insert	
B1	32	1	abc	Insert	
A3	23	1	1,2	Delete	
A8	28	1	Germany	Modify	

The value for A3 is 1,2 but should be 12 to be consistent with the table above.

The next table:

Index	NATC	ATIX	PAIX	ATIN	ATVL	Remark
1	22	1	0	Modify		A2 - complex
2	26	1	1	Modify		A6 - complex
3	29	2	2	Insert	32	B5 - Will increase the ATIX of A10
4	29	3	2	Modify	7	A10 - now with ATIX 2
5	35	1	2	Insert		B2 - complex

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6	36	1	5	Insert	22	B3
7	37	1	5	Insert	123	B4
8	32	1	0	Insert	abc	B1
9	23	1	0	Delete		A3
10	24	1	0	Modify		A4 - complex
11	28	1	10	Modify	Germany	A8

The remark column of the marked row says that the ATIX value is now 2 but the correct value is 3.

### **S-100 10a-5.7 Curve record**

The sentence:

*As with any other spatial object, curves can have attributes and associations to information types.*

Should be amended to:

*As with any other spatial object, curves can have associations to information types.*

The reason is that curves cannot carry attributes.

### **Conclusions**

All changes are only of editorial nature but will increase the clarity and consistency of the document.

### **Recommendations**

We recommend amending the document as proposed.

Note that these changes will not have an impact on possible implementations.

### **Action Required by the S-100WG**

The S-100WG is invited to:

- a. Note this paper
- b. Discuss the paper
- c. Endorse the proposed changes