

Structure Manager: Wrong Revision with “Latest by Alpha Rev Order”

For internal use only

Prepared for: **Siemens BT**

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Document Information

Project Name:	Structure Manager: Wrong Revision with “Latest by Alpha Rev Order”		
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Title:	PLM Consultant	Version date:	11.05.2017

Distribution List

Company	Persons
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Change History

Ver. no.	Date	Author	Reason	Description
1-0	11.05.2017	S. Wetter	Initial Version	-
1-1	30.05.2017	K. Frantz	Update of Solution Chapter	Description of OOTB PLMXML Bug in TC 10 & 11

Structure Manager: Wrong Revision with “Latest by Alpha Rev Order”

For internal use only

Table of Contents

1	Initial Situation/Problems.....	4
1.1	Situation/Problem.....	4
1.2	Goals	4
2	Solution	5
3	Test-Cases	6
3.1	Test-Steps.....	6
3.2	Expected Results	6

Structure Manager: Wrong Revision with “Latest by Alpha Rev Order”

For internal use only

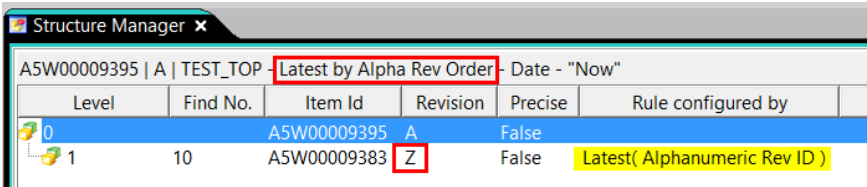
1 Initial Situation/Problems

1.1 Situation/Problem

When using the Revision Rule “Latest by Alpha Rev Order” in TC Structure Manager the wrong Revision is displayed.

Example: The Structure Manager shows the Revision “Z”, although there are newer Revisions like “AA”, “AB”, etc. existing:

- ▲ A5W00009383 | TEST
 - > A5W00009383 | Y | TEST !
 - > A5W00009383 | Z | TEST !
 - > A5W00009383 | AA | TEST !
 - > A5W00009383 | AB | TEST !
- ▲ A5W00009395 | TEST_TOP
 - > A5W00009395 | A | TEST_TOP



Level	Find No.	Item Id	Revision	Precise	Rule configured by
0		A5W00009395	A	False	
1	10	A5W00009383	Z	False	Latest(Alphanumeric Rev ID)

1.2 Goals

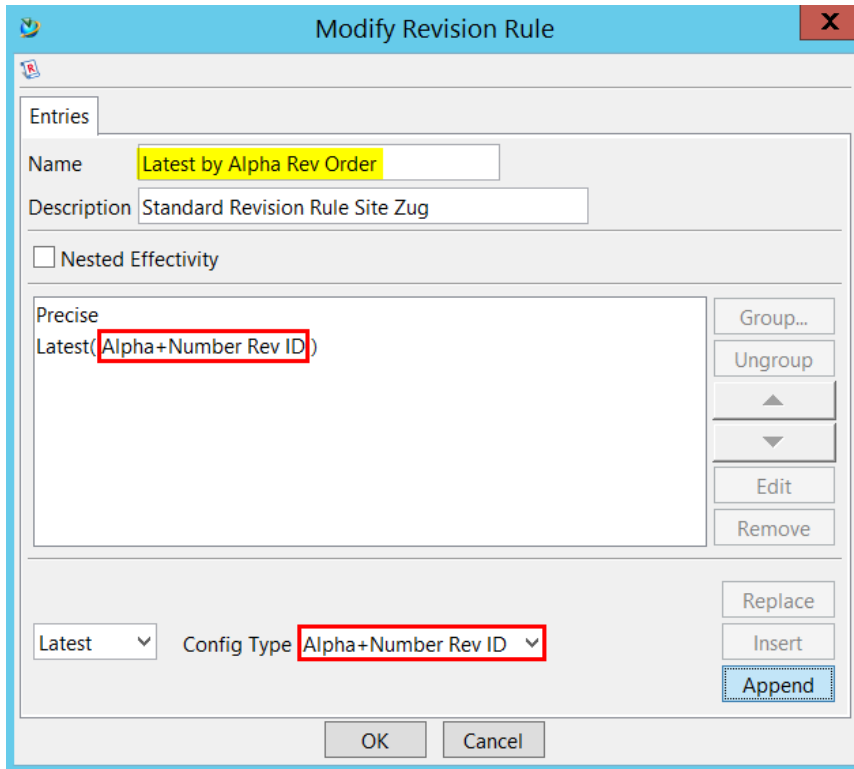
Change the Revision Rule “Latest by Alpha Rev Order” to show the right (latest) Revision.

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2 Solution

Change the Config Type of the Revision Rule “Latest by Alpha Rev Order” to **“Alpha+Number Rev ID”**:



In Teamcenter 10 & 11 the plmxml_export / import is working incorrectly for Revision Rules. The Revision Rule “Latest(Alpha+Number Rev ID)” cannot be exported.

Testcase:

1. Create Revision Rule “Latest(Alpha+Number Rev ID)”
2. Export Revision Rule via plmxml_export
3. Import Revision Rule via plmxml_import
4. Restart Teamcenter and compare updated Revision Rule entry

Therefore, in Teamcenter 11 LMtec is not providing an import Script. The change has to be done manually in Teamcenter for all Sites.

Structure Manager: Wrong Revision with "Latest by Alpha Rev Order"

For internal use only

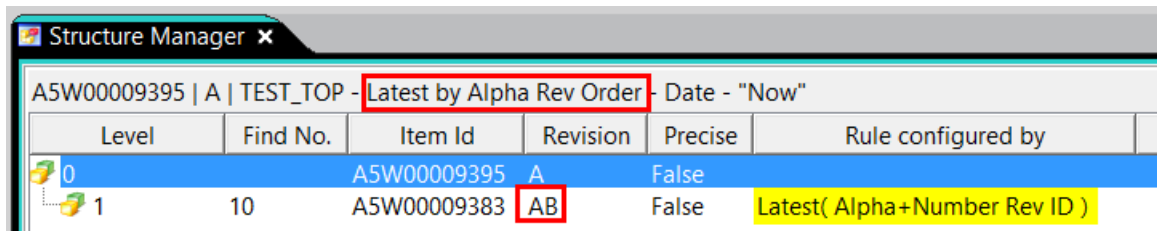
3 Test-Cases

3.1 Test-Steps

1. Create or search a BT7_Component with Revisions "Z", "AA" and "AB"
2. Create or search another BT7_Component and send the Revision to Structure Manager
3. Add the first created Component (with Revisions "Z", "AA" and "AB") to this Component
4. Toggle the toplevel Component to imprecise (if it is not already)
5. Change the Revision Rule to "Latest by Alpha Rev Order"

3.2 Expected Results

The latest Revision is shown:



A5W00009395 A TEST_TOP - Latest by Alpha Rev Order - Date - "Now"						
Level	Find No.	Item Id	Revision	Precise	Rule configured by	
0		A5W00009395	A	False		
1	10	A5W00009383	AB	False	Latest(Alpha+Number Rev ID)	