NETMOD YANG Semver Update

NETMOD WG
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Presenting on behalf of the weekly versioning call attendees:
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IETF 115
Current Status

• Released -08 which should address all remaining WG LC comments:
  • Clarify relationship between SemVer and YANG Semver
  • Be specific about using “YANG Semver”
  • Clarify what is meant by “editorial change”
  • Added text on when to bump a pre-release YANG Semver revision-label for IETF development
  • Fix IDNITS issues
Outstanding Issues

• We might need additional text on which types of branching can use YANG Semver (i.e., what are considered “bad trees”)

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YANG artifacts that use the YANG Semver revision-label scheme MUST ensure that two artifacts with the same MAJOR version number and no _compatible or _non_compatible modifiers are backwards compatible. Therefore, certain branching schemes cannot be used with YANG Semver. For example, the following branched parent-child module relationship using the following YANG Semver revision labels is not supported:

```
3.5.0 -- 3.6.0 (added leaf foo)
  |    
  |     
  |      
3.20.0 (added leaf bar)
```
Allowed Trees?

A1:
3.5.0 - 3.5.1_compatible (add leaf foo)
\n\- 3.20.0 (add leaf bar)

(A1 but different timing for 3.20 vs 3.5.1)
3.5.0 - 3.5.1_compatible (add leaf foo)
\n\- 3.20.0 (add leaf bar)
Allowed Trees?

A3:
2.3.5 - 2.3.6
\  \\------ 2.3.20
Allowed Trees?

A4:
10.0.0 - 10.1.0 - 11.0.0 - 11.1.0 - 11.2.0 --- 11.3.0 -------- 11.4.0
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---------------------------------- 20.0.0 ---- 20.1.0 - 20.2.0
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---------------------------------- 30.0.0
Illegal Trees?

X1:
2.0.0 -- 4.0.0 - 6.0.0
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\- 3.0.0
\ 
\-- 5.0.0
Illegal Trees?

X2:

2.0.0 - 10.0.0 - 8.0.0
Illegal Trees?

X3:
3.5.0 - 3.5.1_compatible
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\-------- 3.5.2_compatible
Next Steps

• Conduct second WG LC