

YANG Status

draft-ietf-netmod-yang-07

IETF 75

Martin Björklund

mbj@tail-f.com

Summary of changes since -04

- The floating point types are replaced with a fixed point type 'decimal64'.
- Specified that XML elements can be encoded in any order in the NETCONF PDUs.
- Removed 'require-instance' for leafrefs.
- Allow leafrefs to refer to leaf-list entries.
- Cleaned up XPath usage
 - clarified the XPath context for 'must', 'when', 'path' and type 'instance-identifier'
 - do not describe 'augment', 'refine' and 'deviation' arguments in terms of XPath.
- Editorial fixes based on WGLC comments, bug fixes...

Nested choices

- Currently the draft specifies that a case cannot contain a choice statement. However, a choice can be added through a uses statement.
- Proposal: remove this restriction; allow nested choices.

Prefixes in groupings

- The text is not clear about how prefixes in must and when expressions are resolved in groupings.

```
module a {
  namespace "http://example.com/a";
  prefix a;

  grouping foo {
    leaf a {
      type int32;
      must ". < ../foo:b";
    }
    leaf b { ... }
  }
}
```

- Proposal: Fix the prefix to namespace mapping where the expression is defined. i.e. foo:b above means {http://example.com/a}b

Thus, to refer to a node in the grouping, use no prefix.

References to undefined nodes

- Should it be illegal to refer to undefined nodes in XPath expressions?

```
module a {
  namespace "http://example.com/a";
  prefix a;

  grouping foo {
    leaf a {
      type int32;
      must ". < ../c";
    }
    leaf b { ... }
  }
}
```

- Proposal: Allow this. Tools can still detect and give warnings if such a grouping is used in a context where the expression will always fail.