### YANG Usage Guidelines

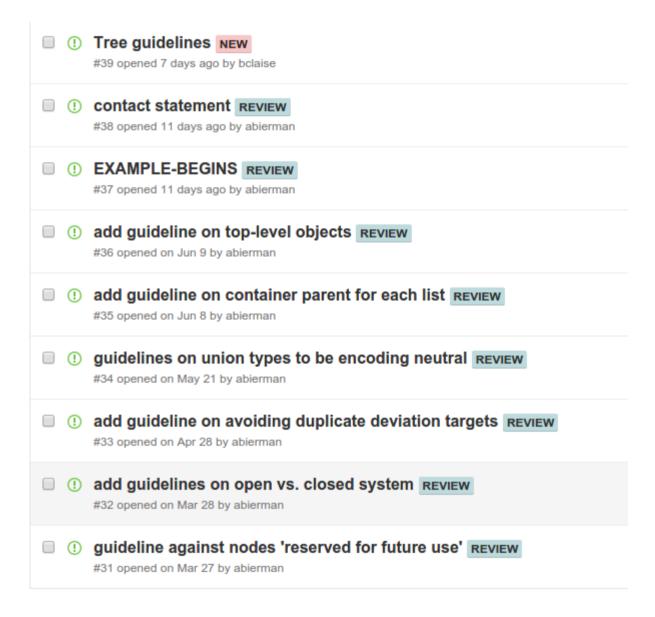
#### draft-ietf-netmod-rfc6087bis-07 NETMOD WG IETF #96 Berlin

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# Agenda

- Issue Tracker Status
- Changes in Draft -07
- Next Steps

### Current Issue Tracker Status



#### **EXAMPLE BEGINS**

- EXAMPLE BEGINS / ENDS removed from draft-07
- Mailing list discussion revealed the extraction tools are buggy and need to be told what to extract
  - Draft-08 will say full example modules MUST use CODE BEGINS / ENDS
- Tools need to be improved so they only extract modules within <CODE BEGINS> <CODE ENDS>

#### New Issue #39 Tree Guidelines

• There are some guidelines already in the draft. This is good. However, a couple of points.

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- Section 4.3. I would help the reader and provide "pyang -f tree"
- If the module is composed of groupings only, include the output of pyang -f tree --tree-print-groupings. Actually, should we always include the groupings in the draft?
- I'm not clear on the notification guidelines? Include or not? Should pyang be updated to produce the right output?
- What if the YANG tree diagrams guidelines change in the future?
  Should we include the output of pyang that generate this output?

#### New Issue: YANG 1.1

- Will add guideline to use YANG 1.1 if needed and OK to use YANG 1.0 if no new features needed
  - Will end up updating everything that needs to import a YANG 1.1 module
  - We will have to repeat this republish effort every time YANG is updated

## Ongoing Issue: Data Organization

- Draft DOES NOT SAY USE foo-state and foo containers
  - It says this is allowed, so it one subtree
  - No easy rule: Designer Clue required
  - Data organization is subjective and we will not likely agree on all of it
  - Real classification mechanisms should be used instead
    - Multi-purpose modules cannot be rooted in multiple places

### Change Log from Draft-07

- update contact statement guideline
- update example modules guidelines
- add guidelines on top-level data nodes
- add guideline on use of NP containers
- added guidelines on union types
- add guideline on deviations
- added section on open systems considerations
- added guideline about definitions reserved for future use

### Next Steps

- Update draft with guidelines for new and open issues
- Stop the feature-creep and start a WGLC already
- WG agreed this draft would Last Call when YANG
  1.1 is done
  - YANG 1.1 has been done for months
- YANG Doctors Wiki will be used to capture guidelines from now on