

Applying Errata to IETF YANG Modules

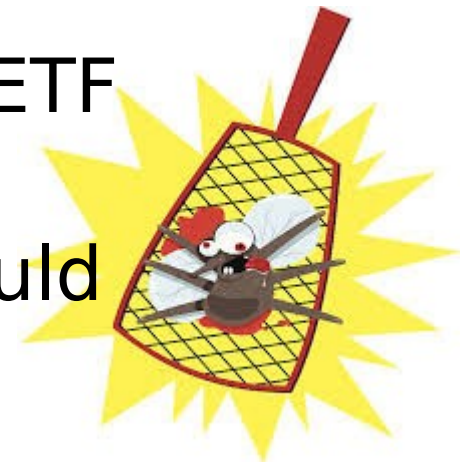
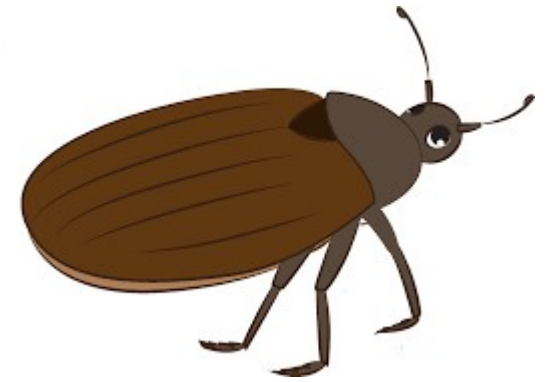
NETMOD WG

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IETF 121

Problem

- Bugs have been found in published IETF modules
- IETF modules are updated based on RFCs
- Creating and finalizing an RFC takes years
- IETF does not provide a module corrections for years
- Users need error corrections urgently
- Users create ad-hoc unofficial, private updates to IETF modules
- The current situation is worse than anything we could do in IETF



Goals

- Maintain control of updates to IETF modules by IETF/IANA
- Produce error-corrections in weeks/months, not years
- Publish new, complete, downloadable, updated module versions on some IETF/IANA website

Solution

- Accept that **YANG** modules can be **updated based on Erratas**, not just on RFCs
- For each **Errata** that impacts the YANG code, **include** an updated version of the full **YANG module**
 - The complete updated module shall be produced by YANG experts, not editorial staff
- The Errata including the YANG module is reviewed/verified as today
- If verified the new YANG module version shall be **published in the IANA YANG Parameters** registry
- The new module version SHALL include a new revision statement. The revision statement SHALL contain a reference to the Errata(s) included in the new module version.



Request

- Help and guidance on how to promote the solution