

DT Binding Documentation

- + Process is mature
 - + Generic bindings rightfully get most attention
 - + Subsystem maintainers do a good job making sure new hardware specific bindings adhere to the generic bindings
- + Problems we face
 - + Not unlike existing drivers upstream, many existing bindings suffer from bitrot
 - + Many existing bindings don't get updated as generic bindings had matured and have specific required properties that should be reflected
 - + A related issue is that the .dts implementations often miss required properties.
 - + Formatting is inconsistent both with existing and new bindings
 - + References to generic bindings done in an ad hoc manner or not at all
 - + Terminology is inconsistent (e.g. *should*, *must*, *shall*)

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+ Proposed Solutions

- + Move generic bindings to a common directory for easier reference. This has been previously suggested by Rob Herring.
- + Move to a rigid text markup template. Could be something like tagged fields as with MAINTAINERS or Markdown based but the important thing is that it enforces consistency in the format.
- + Revive Stephen Warren's old DT bindings guidelines document and update. Place in the bindings documentation tree with a complete checklist for maintainers and those fixing old bindings to update against. Should contain all formatting guidelines, compatible string guidelines including allowed wildcards, etc.
- + Encourage maintainers to accept binding fixes to adhere to the formatting and guidelines document.
- + DT bindings janitorial team. Build the canonical guidelines