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*)

DT Binding Documentation

+ 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

Device Tree Documentation

What exists?

Where is it?

What has been proposed or requested?

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August 11, 2015

150818_1041

What Exists?

ePAPR
ieee 1275 standards and extensions
linux git: Documentation/devicetree/
dtc git: Documentation/
elinux.org wiki: Device_Tree
mail list archives
Device Tree wiki
freebsd FDT wiki
google search

My Plans

Provide an organized set of information and links at elinux.org

Add devicetree to docbook

What needs to be done?
What are the priorities?

Current pain points?

Current documentation, examples, tutorials
- good enough?
- insufficient?
- inadequate?
- not organized?