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## Image Capture Specification, Update

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# Current Features

- Three main methods currently
  - `takePhoto()` - For photographs in the form of blob object
  - `getFrame()` – for RGBA data in the form of an `ImageData` object
  - `setOptions()` – for configuring capture device
- Single error event handler `onerror`

# Finalizing Settings

- Added two new settings
  - Autofocus option
  - Zoom
- Open issue: how to handle non-autofocus cases
  - Spec doesn't address: manual focus up to end user interaction
    - Is this OK?

# Camera Preview

- As agreed upon at TPAC 2013, added camera preview MediaStream
  - previewStream
- No special security properties on preview stream
  - In theory, app can even send it over RTCpc

# Promise-based Object

- `takePhoto()` is suitable for promises, so a promise-based method has been proposed as an optional implementation
- `ImageCapture` object is now overloaded to allow for promise based methods
  - Is this OK?
- `setOptions()` and `onoptions` event handler remain
  - Changing of camera options can occur due to multiple types of interactions
  - `onoptions` is meant to provide a means for app to listen for options changes
  - So `ImageCapture` is an event target with promise-based methods
    - Is this OK?

# Overarching Concern

- Who is implementing this?
  - Only Mozilla has committed to `takePhoto()`
    - Not in IE 11
    - Not in Blink