

The World in

Advertising specs

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iPhone X

This is a living document that will evolve as we are presented with new formats, and we'll update it periodically to reflect these changes.

All media must be submitted to ops@economist.com or through our ad portal <http://specle.net>

The material deadline is 7 days for Static ads and 14 days for HTML5 ads before the insertion/publication date.

Please contact *The Economist* sales team if you require consultation on these specs or would like to discuss any technical questions regarding our apps. All content with advertisements must comply with *The Economist* terms and conditions.

For more information please visit:

<http://marketingsolutions.economist.com/planning-tools/terms-conditions>

Format | Specifications

FORMAT	DIMENSIONS	FILE TYPE	MAX. SIZE	DEVICES	OS
Static Interstitial	750 x 1334px	JPEG	250kB	Mobile	iOS / Android
	1334 x 750px	JPEG	250kB	Mobile	
	1536 x 2048px	JPEG	250kB	Tablet	
	2048 x 1536px	JPEG	250kB	Tablet	
HTML5 Interstitial	Responsive	ZIP	1.5MB	Mobile / Tablet	iOS / Android

Static | Interstitial

The format is JPEG for all files with a maximum file size of 250kB per image. Ads appear between editorial content and is navigated via user swipe gestures.

Please also provide a URL to be displayed when tapping on the ad. This URL will only be displayed if the device is online. We can include tracking in the form of a click tracker.

SPECS	
File Type	JPEG
Max Size	250kB
Dimensions	See format specifications
3rd Party Tracking	Click tracking supported



HTML5 | Interstitial

In addition to the statics files, we can also accept an HTML5 interactive ad to run on all devices.

* Interactive ads must fit in the exact dimensions of the device using responsive wrappers.

* Important exception: HTML5 interactive ads are not currently supported on the iPad Pro device - a static image will be displayed

Video examples of interactives on our platforms:

[Preview 1](#)

[Preview 2](#)

[Preview 3](#)

[Preview 4 \(cover/premium position\)](#)

[Preview 5](#)

[Preview 6](#)

SPECS	
File Type	ZIP
Max Size	1.5MB
Dimensions	Responsive
3rd Party Tracking	Fully supported

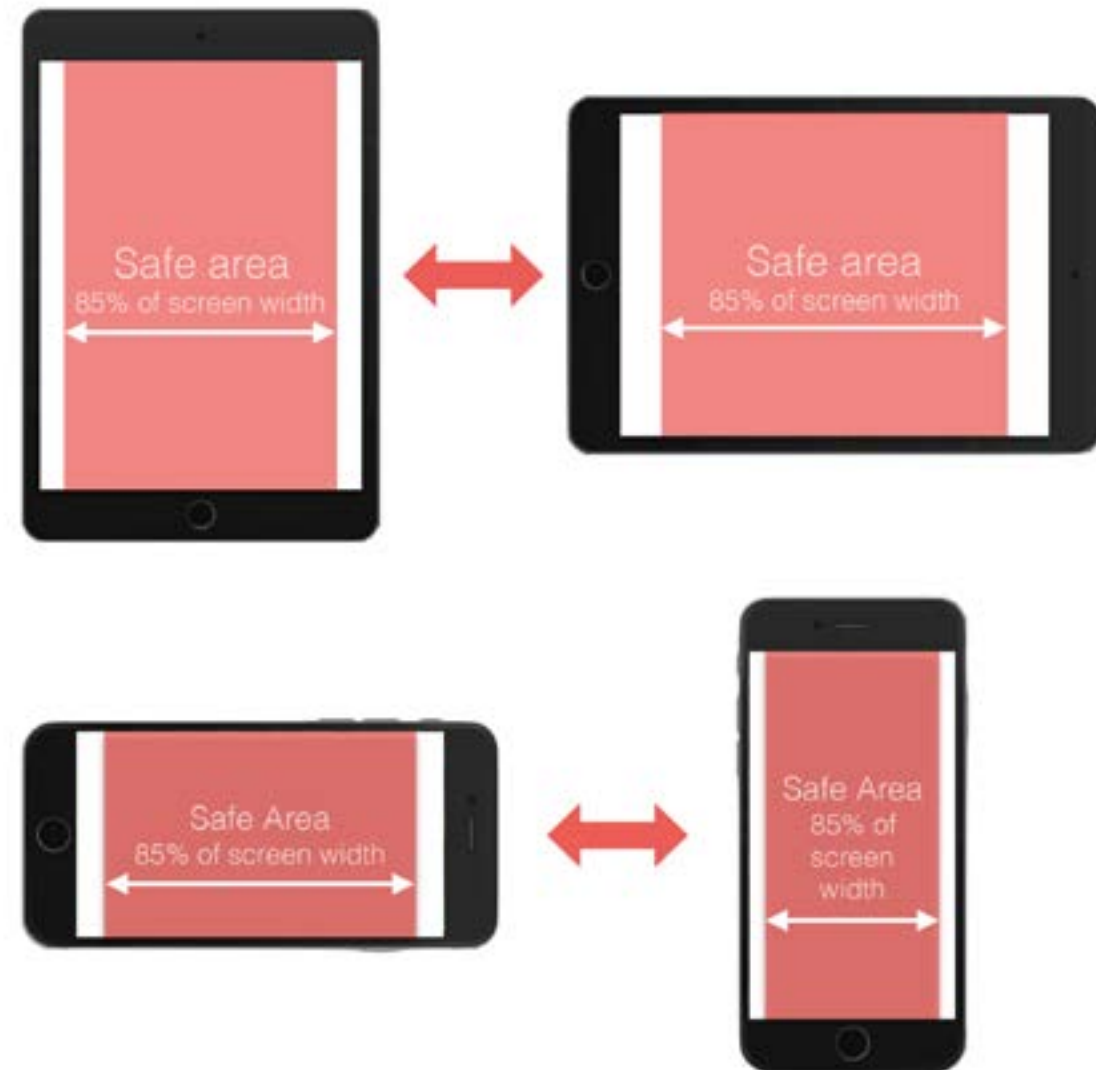


HTML5 | Responsive

The mobile ecosystem is full of different devices of various resolutions and pixel densities. If you are targeting a specific device, say the iPad 2, you know that for a full screen ad you have a canvas of size 768 x 1024 (1024 x 768 in landscape orientation).

But what if you want to support a wide array of sizes? Granted, you can create separate ads for different devices but you can do one better. You can constrain your ad's content to a content safe area and supply a background the size of your largest anticipated device to flow out on larger devices.

SPECS	
Devices	Mobile and tablet*
Orientations	Portrait and landscape*
Safe Area	85% of screen width
Width	Device width
Scale	Initial = 1, maximum = 1
User scalable	No



General advice

- test your ad on actual devices using our testing environment PETE;
- try to avoid minification and more importantly obfuscation of your code as this makes the debugging and feedback process unnecessarily complicated and inefficient;
- try to avoid GWD or any other WYSIWYG tools – the exported code often doesn't complement all of our specs and usually it's hard to fix that;
- we recommend you sharing a visual/description of the intended design – how the ad should look on the actual devices. This would assist the approval process.

You can find a collection of previously approved bundles [here](#).

App Codebase

Our apps are built with PugPig. You can find more information on the best HTML5 practices [here](#).

Responsive design

- we can accept a single responsive bundle or tablet/mobile bundles;
- a single HTML needs to work in both orientations (portrait/landscape);
- horizontal scrolling is not allowed, the ad must fit the device dimensions perfectly;
- vertical scrolling is allowed.

Audio & Video Formats

- <video> and <audio> elements are allowed: H.264 for video and HE-AAC for audio. You can stream them from an external server;
- autoplay must be turned off, playback has to be initiated by the reader using a recognised "Play" button;
- ensure that no controls elements are placed in the safe area of the Digital Edition app (7.5% of the screen on each side);
- when you are using Brightcove, make sure the scripts are downloaded and included locally in the bundle;
- inline playback is only available on Android devices . iOS uses the native media player.

CSS notes

- use vendor prefixes;
- bear in mind some users might not have the latest version of OS and device and some CSS rules might not be supported

Animation Startup

- ensure you define **ecoStart function**. Every time a user scrolls into your ad, our app will fire `ecoStart()`.

There will be no animation until `ecoStart()` function is called (this has to be done to ensure that users will see the animation from the very beginning as the HTML file might be loaded before a user scrolls to it in the issue).

You can test this functionality in the [Google Chrome's Developer Console](#) by calling "`ecoStart()`". No animation should start in Chrome until you call this function manually. The ad must load its content and the base look and wait for the function call.

External Linking

All links must prepend 'internal-' before `http/https` to allow opening in a modal webview, this schema works either for a href elements or for javascript redirects using `window.location`.

For example:

```
<a href="http://www.economist.com">Economist link</a>
```

Must be transformed into

```
<a href="internal-http://www.economist.com">Economist link</a>
```

Links and redirections using Javascript must also ensure this schema.

For example:

```
window.location = `http://www.economist.com`;
```

Must be transformed into

```
window.location = `internal-http://www.economist.com`;
```


HTML I Testing environment

Pugpig Economist Testing Environment (PETE)

The Economist offer an external testing environment for HTML5 advertising.

Advertisers are able to preview and test their concept bundles in the live Digital Edition container app before submitting for QA.

How:

1. download the app from the relevant store. This is available on both Android and iOS platforms;
2. upload a bundle for testing: https://economist.admin.pugpig.com/publication/ecnpaper/preview_zip
3. make a note of the OPDS generated code when uploading
4. go to the live app on your devices:

ANDROID

Select settings >

You'll need to long-press the "Select Region" button in the settings. This shows a dialog you can use to enter the OPDS preview code.

Once you enter the code, you'll have a single edition with the advert that you can download and check.

To reset to your normal feed, go back to "Select Region", tap it, and pick the region you want to view.

iOS

Select settings >

Tap 10 times on the version number at the bottom. This shows a dialog you can use to enter the OPDS preview code.

Once you enter the code, you'll have a single edition with the advert that you can download and check.

To reset to your normal feed, go back to "Select Region", tap it, and pick the region you want to view.

HTML5 | Quality Assurance

All files delivered MUST be packed in a zip file containing HTML, images, Javascript allowed. The zip file MUST contain an index.html file at the root level that will be loaded when the user swipes into an interactive ad.

Performance notes

Interactive ads that contain very large DOM trees and/or intensive Javascript animations may see a performance decrease when running in a mobile device compared with desktop device. If your script executes for more than a couple seconds without releasing the thread, the App will stop executing the script. This is likely to occur at a random place in your code, so unintended consequences may result.

All ads that are submitted are scrutinised to ensure our users get the best app experience.



HTML | Best practice

1. This should be your basic building block to avoid almost every common problem CSS snippet

HTML:

```
<!DOCTYPE html>
<meta name="viewport" content="initial-scale=1.0,
user-scalable=no"/>
```

CSS:

```
* {
    -webkit-backface-visibility: hidden !important;
}

html, body {
    padding: 0;
    margin: 0;
    overflow-x: hidden;
    overflow-y: auto;
}

body {
    position: absolute;
    top: 0;
    bottom: 0;
    left: 0;
    right: 0;
    -webkit-text-size-adjust: 100% !important;
    -webkit-transform: scale(1) !important;
    transform: scale(1) !important;
}
```

2. CSS animations flickering? CSS snippet

```
*{
    -webkit-backface-visibility: hidden !important;
}
```

3. iPhone font sizing issues? CSS snippet

```
body {
    -webkit-text-size-adjust: 100%;
}
```

4. The bundle doesn't fit the screen perfectly – there is a tiny bit overflowing and causes horizontal scrolling? CSS snippet for iPads

```
@media all and (orientation:portrait) {
    body,html {
        width: 768px !important;
        height: 1024px!important;
        max-height: 1024px;
        overflow: hidden;
    }
}

@media all and (orientation:landscape) {
    body,html {
        width: 1024px !important;
        height: 768px !important;
        max-height: 768px;
        overflow: hidden;
    }
}
```

5. Bundle zooms in when you rotate the device? CSS snippet

```
@media screen {  
  body {  
    -webkit-transform: scale(1) !important;  
    transform: scale(1) !important;  
  }  
}
```

6. Your ad shows goes blank on DE on Android in landscape? CSS magic snippet

```
html, body {  
  padding: 0;  
  margin: 0;  
  overflow: hidden;  
}  
  
body {  
  position: absolute;  
  top: 0;  
  bottom: 0;  
  left: 0;  
  right: 0;  
}
```

7. Your images are cropped but they shouldn't be? – check the CSS “clip” property

Design consideration - iPhone X

iPhone X - the top notch problem

Apple's iPhone X has a screen that covers the entire face of the phone, save for a "notch" to make space for a camera and other various components. The result is some awkward situations for screen design, like constraining websites to a "safe area" and having white bars on the edges.



It's not much of a trick to remove it though, here we provide CSS media queries for iPhone X which can be used for necessary adjustment to your ads:

```
@media only screen
  and (device-width : 375px)
  and (device-height : 812px)
  and (-webkit-device-pixel-ratio : 3)
  and (orientation : portrait) {
  body {
    padding-top: 12px;
  }
}
```

```
@media only screen
  and (device-width : 375px)
  and (device-height : 812px)
  and (-webkit-device-pixel-ratio : 3)
  and (orientation : landscape) {
  body {
    padding-left: 12px;
  }
}
```