# Webmedia updates

## Workflow change

### Background

Currently, Information Delivery has 2 roles in the Webmedia process:

1. Embedding videos in web pages.
2. Triggering FFMPEG to create the video snapshot by clicking the Preview button on the Browse media page.

With the creation of the video widget Editors can now embed videos themselves, removing the need for Information Delivery to do so. However, as only Information Delivery has access to the Browse Media page we are still required to click the Preview button to create the snapshot.

By moving the FFMPEG trigger from the Preview button to the video upload page and altering the automated email recipient and content for the client, we can remove the need for Information Delivery to be involved in the process.

### Change details

#### Move FFMPEG trigger

Move the call to FFMPEG from the Preview button on the Browse Media page to the upload form submission process. When the uploader submits the upload form, FFMPEG should create the snapshot automatically. **Note:** If the job is deleted the snapshot will also need to be deleted.

### Dynamically detect video dimensions

FFMPEG needs to know the exact dimensions of the video to be able to create the snapshot. If the video dimensions are out by even one pixel, FFMPEG will fail. Because of the nature of video resizing algorithms, videos will occasionally be one pixel greater or lesser in height than the standard. This creates no issue as far as LTU web guidelines are concerned, but causes FFMPEG to fail. We need to detect the dimensions of uploaded videos automatically and pass these to the call to FFMPEG, removing the possibility of the snapshot process failing, see [example of script](http://www.lampdeveloper.co.uk/linux/detecting-a-videos-dimensions-using-php-and-ffmpeg.html).

**Note:** The FFPMEG call should still be dependent on a +/-2 pixel tolerance in video height only; width **must** always be exactly 430 pixels.

#### Final approval email text

When Digital Marketing approves a video or when a Digital Marketing or Media & Communications (DM/M&C) client submits the further details form, the resulting email needs to change as per the followingInformation Delivery:

* Change the recipient (currently the ICT Service Desk) to the job client
* The email text should contain the following:

The video you have uploaded is ready to be inserted into your web page.   
Video ID = {ID}  
Title = {Title}  
  
Website editors can embed videos by following the steps in the [Web editing guide](https://intranet.latrobe.edu.au/web-guide/user-guides/web-media).

#### Automatically mark job as complete

Information Delivery currently must click a link to mark a job as complete, which moves it from the Browse Media to the Show All page. This must to happen automatically when either:

1. a DM / M&C client submits the Further Details form, or
2. Digital Marketing approves a non-Digital Marketing client’s job

## Client AD functionality

### Background

The system needs to know whether or not the client is from DM/M&C to determine whether the job needs to be forwarded to DM for approval. This is currently set with a drop down menu on the Further Details form which is often set incorrectly, thus incorrectly automatically approving non-DM/M&C jobs.

### Change details

#### New AD group

Create a new AD group and populate with DM/M&C users. The client’s AD group should then be detected on the upload screen and entered in the existing Department field in the database. This can then be used to decide whether or not the job needs to be forwarded to DM for approval when the Further Details form is submitted.

#### Client details via AD

On the [upload media form](https://intranet.latrobe.edu.au/webmedia/), the uploader needs to manually enter the client’s name and email address. To minimise errors (which could cause the upload notification email to go to the wrong person or not be sent at all), it would be useful to have a prompt appear as a drop down field on the Client Name field which contains matched staff records from AD (same functionality exists on the [Web publishing update form in MyICT](https://intranet.latrobe.edu.au/myict/form_web_publishing_account_update.php)). The uploader could then select the correct staff member by clicking on it, which would populate the existing Name and Email fields.

## Addition of OGG video format

### Background

Enable the system to receive videos in the additional format of .ogg, which will be used for HTML5 video support in devices that don’t use MP4 for this standard.

### Change details

Add extra file browse field on the upload form for .ogg format and apply same randomly-generated file name prefix to .ogg file name on upload, as per other file formats. This must be a compulsory field.