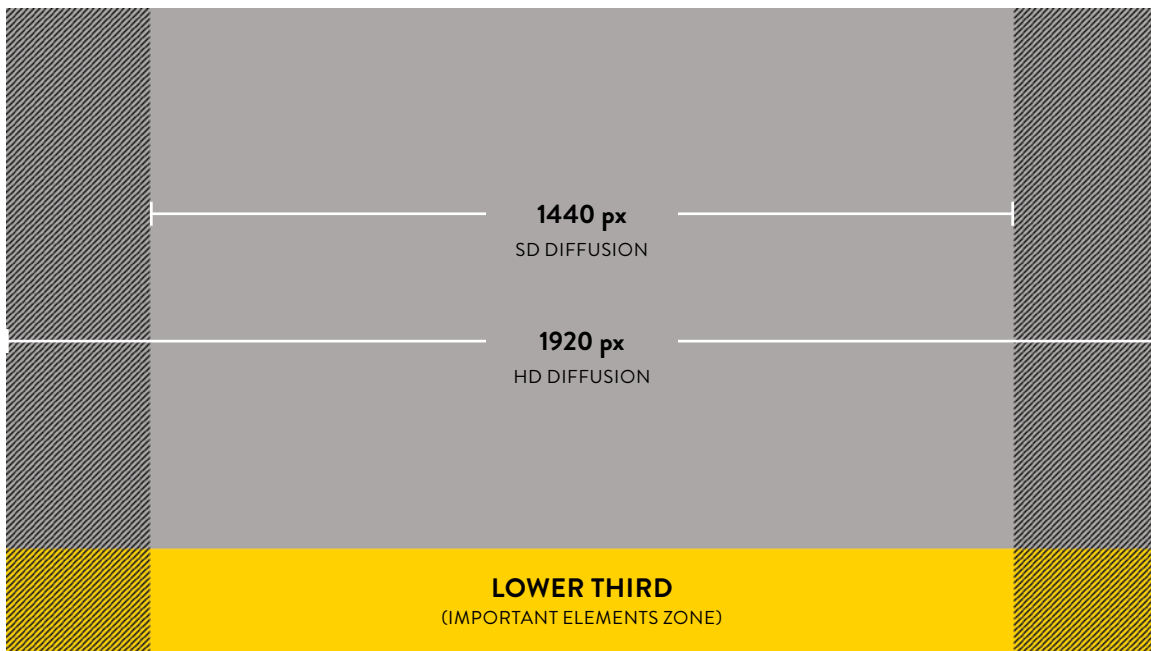




TECHNICAL SPECIFICATIONS - LOGOS AND LOWER THIRDS V, MAX AND MUSIQUEPLUS

1.0 GENERAL SPECIFICATIONS

- » Canvas size must be 1920x1080 pixels.
- » The material must be uploaded on the FTP site at least 48 hours prior to the airing date (as per the traffic instructions).
- » No manipulation is to be made to the material following its reception, including color corrections, picture layering, editing, etc.
- » The important elements of the logos and lower thirds must be positioned inside the SD airing zone (1440 central pixels).

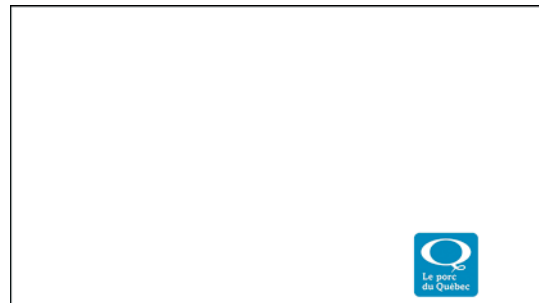


- » Graphic elements can be positioned outside the SD airing zone. If this is the case, these elements can't be necessary to the good understanding of the logo or lower third. The elements to be positioned outside the SD airing zone will only be visible in HD.



TECHNICAL SPECIFICATIONS - LOGOS AND LOWER THIRDS V, MAX AND MUSIQUEPLUS

2.0 LOGO



- » Images must be in PSD or PNG with an ALPHA channel.
- » Logo width must not exceed 600 pixels.
- » Logo height must not exceed 300 pixels.
- » Canvas size must be 1920x1080 pixels.
- » The positioning of the logo must respect the SD airing zone (240 pixels from the left), as shown in the following example:





TECHNICAL SPECIFICATIONS - LOGOS AND LOWER THIRDS V, MAX AND MUSIQUEPLUS

3.0 LOWER THIRD (STATIC AND ANIMATED)



- » Canvas size must be 1920x1080 pixels.
- » The lower third must be positioned on the bottom of the canvas, to the far left and be ready for broadcast in SD (see section GENERAL SPECIFICATIONS).
- » Lower third height must not exceed 300 pixels.
- » Total area of the lower third must be of 350,000 pixels². Therefore, the maximum height of the lower third will depend on the chosen width. The following table shows the maximum height allowed according to the width of the lower third. For example, a lower third which width is of 1920 pixels must have a maximum height of 182 pixels.



TECHNICAL SPECIFICATIONS - LOGOS AND LOWER THIRDS V, MAX AND MUSIQUEPLUS

- » The following table shows 3 examples of lower thirds of different height and width. The yellow areas represent the visible airing zones in SD and HD, while the crosshatched areas represent the HD zone only.

1920 x 182 pixels



1440 x 243 pixels



1280 x 273 pixels



- » Please refer to the following page for the static and/or animated lower third specifications, as well as for the authorized lower third content.



TECHNICAL SPECIFICATIONS - LOGOS AND LOWER THIRDS V, MAX AND MUSIQUEPLUS

4.0 ANIMATED/STATIC LOWER THIRD

- » Clips must be in QuickTime (.MOV).

Quicktime Animation

- » 1920x1080 interlace (not progressive)
- » 29,97 fps
- » Lower field first or Bottom first

Quicktime settings

- » 29,97 fps
- » Keyframes ALL frames
- » Depth Millions of Colors +

- » Maximum 115mb/s
- » Video only (no audio)

**** Add a black frame at the beginning and end ****

5.0 LOWER THIRD CONTENT

5.1 AUTHORIZED

- » Client's logo
- » Tagline
- » Website (URL)
- » Telephone number
- » Civic address
- » Product visuals

5.2 AUTHORIZED **ONLY IF** THERE IS MEDIA BUYING INVOLVED: A LOWER THIRD **WITH** COMMERCIAL OFFER

- » Call-to-action
- » Commercial offer
- » Price reference (no dollar sign is accepted)



TECHNICAL SPECIFICATIONS - COMMERCIAL MATERIAL V, MAX AND MUSIQUEPLUS

1.0 DIGITAL FILE DELIVERY

1.1 VIDEO SPECIFICATIONS (HD ONLY)

- » MXF File
- » Compression: XDCAM HD 422 1080/60i (50 Mb/s)
- » Frame size: 1920x1080
- » Frame rate: 59.94 Hz
- » Long GOP 4:2:2
- » Start Time Code: 10:00:00;00
- » End Time Code: last image of the file (NO black in the end)
- » Do not include any slate nor color bars

Chyrons and Lower Thirds

- » Subtitles and other graphic elements must be positioned in the image Safe Title area.

Closed Captioning

- » All files must be encoded for the hearing impaired.
- » Encoding must meet the EIA-708 standards.

1.2 AUDIO SPECIFICATIONS

- » Maximum Level (Peak): -10dBFs
- » Dialog Normalization: -19dBFs à -27 dBFs
- » Average Levels (Loudness): -24 LKFS ± 2 LU
- » Audio Rate: 48.0 kHz

	5.1	STEREO
TRACK 1	Left	Mix Stereo
TRACK 2	Right	Mix Stereo
TRACK 3	Center	n/a
TRACK 4	Sub	n/a
TRACK 5	Rear Left	n/a
TRACK 6	Rear Right	n/a
TRACK 7	Mix stereo or n/a	n/a
TRACK 8	Mix stereo or n/a	n/a



TECHNICAL SPECIFICATIONS - COMMERCIAL MATERIAL V, MAX AND MUSIQUEPLUS

1.3 FILE DELIVERY

- » The use of the FileZilla software is recommended with version 3.9 and up, in the encryption mode (simple ftp connection).
- » To do so, please go to “Site Manager”:

The screenshot shows the FileZilla Site Manager configuration window for the site ftp.vtele.ca. The 'Général' tab is selected. The configuration includes:

- Host: ftp.vtele.ca
- Port: 21
- Protocole: FTP - Protocole de Transfert de Fichiers
- Chiffrement: Connexion FTP simple (non sécurisée) (highlighted with a red box)
- Type d'authentification: Normale
- Identifiant: Vtele_mtl
- Mot de passe: [masked]
- Compte: [empty]

FileZilla

- » When accessing FileZilla, copy and paste the following “Host”, “Username” and “Password”:
 - Host: ftp.vtele.ca
 - Username: Vtele_mtl
 - Password: Mtl_vtele85
- » Drop the files in the folder. Once the files are uploaded, they will be automatically redirected in the right folder (10 minutes after the drop). Therefore, the creation of folders is blocked.



TECHNICAL SPECIFICATIONS - COMMERCIAL MATERIAL V, MAX AND MUSIQUEPLUS

2.0 TAPE DELIVERY

2.1 HD VIDEO SPECIFICATIONS

- » Delivery must be made on a new **HDCAM 1080/59.94i** or on a new **HDCAM-SR 1080/59.94i**

Slate and timecode

- » Slate color bar
- » Program start timecode: 10:00:00;00

Closed Captioning

- » All files must be encoded for the hearing impaired
- » Encoding must meet the EIA-708 standards

2.2 AUDIO SPECIFICATIONS

- » Maximum Level (Peak): -10dBFs
- » Dialog Normalization: -19dBFs to -27 dBFs
- » Average Levels (Loudness): -24 LKFS \pm 2 LU
- » Audio Rate: 48.0 kHz

	HDCAM SR 5.1	HDCAM OR SD STEREO
TRACK 1	Left	Mix Stereo
TRACK 2	Right	Mix Stereo
TRACK 3	Center	n/a
TRACK 4	Sub (Basse)	n/a
TRACK 5	Rear Left	n/a
TRACK 6	Rear Right	n/a
TRACK 7	Mix stereo or n/a	n/a
TRACK 8	Mix stereo or n/a	n/a

2.3 SHIPPING ADDRESS

Groupe V Media
ROUTAGE/TRAFIC
355 St. Catherine Street West
Suite 100
Montreal QC H3B 1A5