


### 1.1 EQUIPMENT TO REVIEW

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|-------------------|--|
| <b>PROJECTOR</b>  |  <p>* Check that it is always switched on.</p>  |
| <b>STAND</b>      |    |
| <b>TMS</b>        |  <p>*Check that it is always switched on.</p> |
| <b>SOUND RACK</b> |   |

Verify in the equipments: cleanliness, proper functioning, antifreeze level and good physical and operational conditions.


#### SPECIFIC ASPECTS OF THE PROJECTOR

|                                 |   |  |
|---------------------------------|---|--|
| <b>FILTERS OF THE PROJECTOR</b> |  | <ul style="list-style-type: none"> <li>* Make sure the filters are free from dust or grease.</li> <li>* The fabric of the filters must be completely attached to the iron frame (There are filters on both sides of the projector).</li> <li>* Cleanliness method:             <ol style="list-style-type: none"> <li>1) Place the filters inside a bucket with diluted degreaser water for 30 minutes.</li> <li>2) Remove the filters from the bucket and place them on a hard surface (table) over a microfiber cloth.</li> <li>3) To dry the filters, carefully vacuum them.</li> </ol> </li> </ul> |
| <b>PROJECTION LENSE</b>         |  | <ul style="list-style-type: none"> <li>* Verify with a lamp that the lense does not have fingerprints and/or dust.</li> <li>* The lense must be fully secured.</li> </ul>  |
| <b>REAL D</b>                   |  | <ul style="list-style-type: none"> <li>*Verify with a lamp that the crystals of the polarizer do not have fingerprints and/or dust.</li> <li>*Verify that it works automatically when identifying a 3D format.</li> </ul>  |

#### SPECIFIC ASPECTS OF THE STAND

|                                 |   |  |
|---------------------------------|---|--|
| <b>SERVER</b>                   |    | <ul style="list-style-type: none"> <li>* Verify the proper functioning.</li> <li>* It must be always switched on.</li> </ul>   |
| <b>AUTOMATION</b>               |  | <ul style="list-style-type: none"> <li>* Verify the proper functioning of the masking.</li> </ul>  |
| <b>UPS AND SURGE SUPPRESSOR</b> |  | <ul style="list-style-type: none"> <li>*Verify the proper functioning.</li> <li>*It must always be switched on.</li> </ul>   |
| <b>DIMMER</b>                   |  | <ul style="list-style-type: none"> <li>* Make a test to verify that the light policy is being respected according to the programmed playlist.</li> </ul>   |
| <b>EXTRACTOR</b>                |  | <ul style="list-style-type: none"> <li>* Verify the cleanliness.</li> <li>* Check that the water is not being filtered inside the projector.</li> <li>* The cleaning of the extractor is performed once a week.</li> </ul> |

#### SPECIFIC ASPECTS OF THE TMS

|            |   |   |
|------------|---|---|
| <b>TMS</b> |  | <ul style="list-style-type: none"> <li>*Verify that there is 30% free space of its capacity.</li> <li>*Check that the playlists are loaded in each server.</li> <li>*Check the validity of the KDM's.</li> <li>*Check the % of free space from the hard drives of each server.</li> <li>*Check the remaining lifetime of each server's bulb.</li> <li>*When there is satellite reception, content should not be transferred from TMS to other servers or ingest content while transmitting live.</li> </ul> |
|------------|---|---|

#### SPECIFIC ASPECTS OF THE SOUND RACK

|   |   |  |
|---|---|--|
| <b>PROCESSOR, MONITOR AND AMPLIFIER</b> |  | <ul style="list-style-type: none"> <li>* Verify the proper functioning of the equipments.</li> </ul> |
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# 2. TESTS TO PERFORM BEFORE THE SHOW

\* Be placed at 2/3 of the auditorium, in the "Golden Seat".

## 2.1 PROJECTION TEST PATTERNS

The patterns must be verified weekly.

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|------------------|--|---|
| <b>PRINCIPAL</b> |  | <ul style="list-style-type: none"> <li>* Verify that the macros are correct, no overflows.</li> <li>* Run the pattern with the native format of the screen (flat or scope).</li> <li>* There should not be any visible lines in the contour of the screen (green lines for flat/red lines for scope) in the pattern.</li> </ul> |
| <b>FOCUSING</b>  |  | <ul style="list-style-type: none"> <li>* Verify the sharpness of the entire screen.</li> <li>* Check that the 5 elements are properly focused (center and edges).</li> <li>* In case of presenting defocus, call the technician.</li> </ul>   |
| <b>WHITE</b>     |  | <ul style="list-style-type: none"> <li>* Verify that the screen is free from stains or color points. (If there, proceed to clean the projection window and the lense. If the problem persists, call the technician to check the projector).</li> <li>* The white color should not be yellowish.</li> </ul>                      |
| <b>CONTRAST</b>  |  | <ul style="list-style-type: none"> <li>* Verify that the luminosity is uniform in the entire screen.</li> <li>* Verify that the colors are not opaque or overlapped (if there, call the technician).</li> </ul>   |

## 2.2 SOUND TEST PATTERN

|                     |  |   |
|---------------------|--|---|
| <b>CHANNEL TEST</b> |  | <ul style="list-style-type: none"> <li>* Determine if the auditorium has 5.1 or 7.1 channels.</li> <li>* Check that all the aplifiers are switched on.</li> <li>* Verify that the volume of all the aplifiers is activated.</li> <li>* If the problems persist, call the technician.</li> </ul> |
|---------------------|--|---|

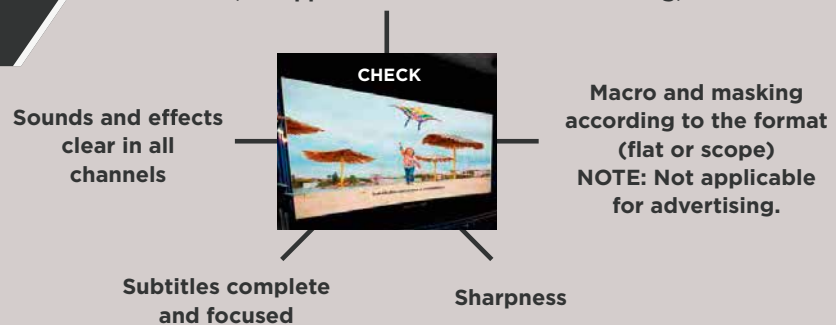
## 2.3 FOOT-LAMBERTS MEASUREMENT

|                   |  |  |
|-------------------|--|--|
| <b>LUMINOSITY</b> |  | <ul style="list-style-type: none"> <li>* Verify the luminosity of the auditorium with a Light Meter.</li> <li>* For 2D formats 11 to 17 fL is correct and the ideal is 14 fL.</li> <li>* For 3D formats from 3.5 fL and more is correct.</li> <li>* If there are measurements of less foot-lamberts, call the technician.</li> </ul> |
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# 3. REVIEW THE AUDITORIUM DURING THE SHOW

\* Be placed at 2/3 of the auditorium, the closest to the "Golden Seat".

Squared image without overflows, covering 100% of the screen (not applicable for trailers and advertising).



# 4. GENERAL SPECIFICATIONS

|   |  |                |   |
|---|--|----------------|---|
| <b>CLEANLINESS OF THE PROJECTION AREA</b> | <ul style="list-style-type: none"> <li>* Verify that there are no objects that does not belong to the area, or objects on the floor.</li> <li>* Verify that the logs are correctly filled and visible (Bulb Log, Cleaning Schedule, Film Log).</li> <li>* Verify that the ceiling and ducts are clean and in good conditions.</li> </ul> | <b>VOLUME</b>  | <ul style="list-style-type: none"> <li>* In general, a film is projected at a volume between 4.5 and 5.5; in some cases, for dubbed films (if applicable) it can be projected at a volume of 6 or 6.5.</li> <li>* The volume will depend on the occupation of the auditorium.</li> <li>* The Back Ground Music must be on before the projection.</li> </ul>   |
| <b>PROJECTION BULB</b>                    | <ul style="list-style-type: none"> <li>* The bulb's power depend on the projector type and brand.</li> <li>* The bulb must be changed 20 hours before its expiration.</li> <li>* Always use the protection equipment when handling/cleaning the projection bulb or lamp house.</li> </ul>  | <b>GENERAL</b> | <ul style="list-style-type: none"> <li>* Since the Light Engine is located inside the projector, it should always be VACUUMED at the moment of cleaning.</li> <li>* Make sure that the cables do not get disconnected.</li> <li>* When there are lines, of any color in the projection, it is recommended to check the components (cards can be reset, ALWAYS WITH THE PROJECTOR SWITCHED OFF).</li> <li>* If there are green lines in the projection the solution can be:                             <ul style="list-style-type: none"> <li>- Reboot the projector.</li> <li>- Reset the cards (ICP,IMB, SMPS).</li> <li>- If resetting didn't work, update the equipment or change the damaged piece.</li> </ul> </li> </ul> |
| <b>FORMAT</b>                             | <ul style="list-style-type: none"> <li>* Flat: it has an aspect ratio of 1.85 to 1 (with Scope images, the upper shadow is covered with the top masking).</li> <li>* Scope: it has an aspect ratio of 2.39 a 1 (with Flat images the side shadows are covered with the side masking).</li> </ul>   |                | <p>NOTE: These solutions require the support of the Projection and Sound Technician and the NOC to determine the source of the problem, request the corrective service and spare parts.</p> <ul style="list-style-type: none"> <li>* In the TMS software the format can be visualized (2D or 3D), the resolution (2k or 4k), the aspect ratio (Flat or Scope), subtitles, language, audio and number of channels (5.1 or 7.1).</li> </ul>   |
| <b>FILTERS</b>                            | <ul style="list-style-type: none"> <li>* In case of having felted fabric filters (Christie projector) these must be changed when the bulb is changed.</li> <li>* In case that the felted fabric filters are washable, it is recommendable to have spare filters since these last 24 hours to dry.</li> </ul>                             |                |   |