39COM Webcast

Statement of Requirements

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Description:

Description of the Webcast technical requirement for the 39COM from June to July 2015.

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1   Description

From June xx to xx July 2015, the whole 39 Session of The World Heritage, will be webcast live. Recordings will be available in high definition to media. More precisely, it is intended:

1. **to audiocast** the debates during the whole event (xx days) in English and French and xx interpretation languages (English, French, xxxxxx);
2. **to videocast** of the whole event (xx days) in the 2 working languages of the Committee (English and French);
3. **to make available to medias, in a broadcast quality, video clips** corresponding to main speeches and to each decision of inscription (= image of the podium during the reading of the decision + reaction of concerned delegates).

1.1   Deadline

UNESCO will validate the web streaming process and one month before the first day of the meeting.

A video streaming test will be done 2 days before the first day of the meeting with all final video setup (if possible). If is not possible to have the final video setup a partial test will be done with the video streaming only.

Video Web streaming and recording will start the first day of the meeting.

2   Tasks

2.1   Shooting in the room,

Shooting in the Room with minimum 3 cameras, 2 fixed cameras directed to the podium and to the room plus one mobile camera for closer shooting, and live producing capabilities of the videos;

Video will be display on the floor screens and other rooms (Press room …) and ready for webcasting.

2.2   Live encoding of the audio

Live encoding audio in English, French and in the XX interpretation languages (XX streams at minimum 12kb/s each), to be pulled for **streaming** to a large Worldwide audience (audio sources, internet connection and fixed IP addresses provided by the host of the event);

2.3   Live encoding of the video

in English and French (2 streams in minimum at 290 KB/s each, 384x288 pixels), to be pulled for **streaming** to a large Worldwide audience (audio sources and internet connections provided by the host of the event, video resulting from the mixing).

Audio and video Encoding capabilities in place.

Dedicated Public IP for the stream or a range of IPs. IPs, Streaming ports and technology used must be communicate to UNESCO before the first day.

2.4   Production of clips for broadcasting medias

in parallel of the event, **production of clips for broadcasting medias** in MPEG-2 corresponding to opening speeches (~XX speeches of 20 minutes each) and to each decision of inscription (~ XX clips of 3 to 5 minutes each), and upload as soon as possible on UNESCO's servers (audio sources and internet connection provided by the host);

2.5   Recording

Provision of **recorded materials** (audio and video encoded flows + clips) on PC formatted external hard drives (hard drive to be provided by the company) or DVDs.

The quality of the recording could be 4gig for half a day (4hours) at least in 720p, quality depending of the technology used (Recoder,Codec…).

2.6   Broadcast

- Web Streaming capacities, CDN (content delivery network), unlimited stream (between 10 000 and 5000 simultaneous views per hour).
- Provide a **web player** that could be embedded into event and UNESCO websites.
- Committee Working Documents (PDFs) in relation with the point of discussion will be available for download with the web player
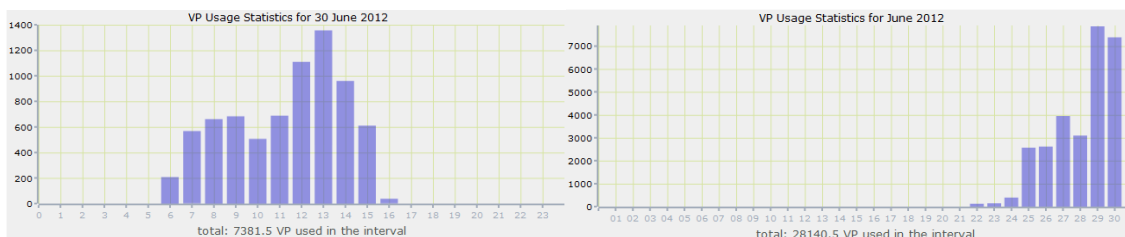
3   Requirements

1. Minimum of 3 cameras (2 fixed cameras directed to the podium and to the room plus one mobile camera for closer shooting) and live producing capabilities.
2. Dedicated Internet connection for the streaming entry point with **2 public IP** from the event place for the for the audio and video entry point with 3MB/s bandwidth (separated from the delegates internet connection)
3. Streaming capacities, CDN (content delivery network), unlimited stream (between 10 000 and 5000 simultaneous views per hour)
4. Web player that works on all modern web browsers and Smartphones
   a. Foresee short explanation of what is going on to be drafted by UNESCO
   b. Links to documents (PDF) under discussions to be updated in real time by UNESCO
   c. Links (press releases, photos and more…)
   d. Live Comments?
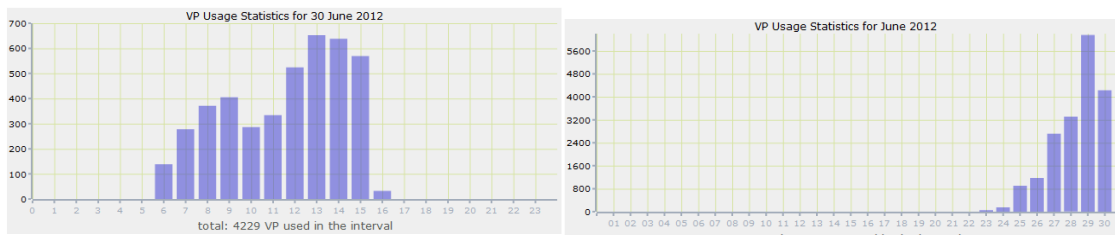
4   Previous Video Streaming Statistics

4.1   In Russia in 2012

Taken from Web Video Company in Russia in 2012. It only represent the video stream views, July is missing.The maximum views per hour was approximately **2800 views per hour**. The maximum view per day is approximately **17000 views per day**.
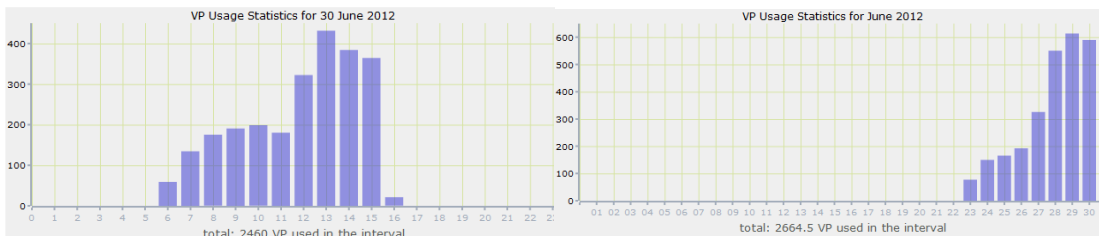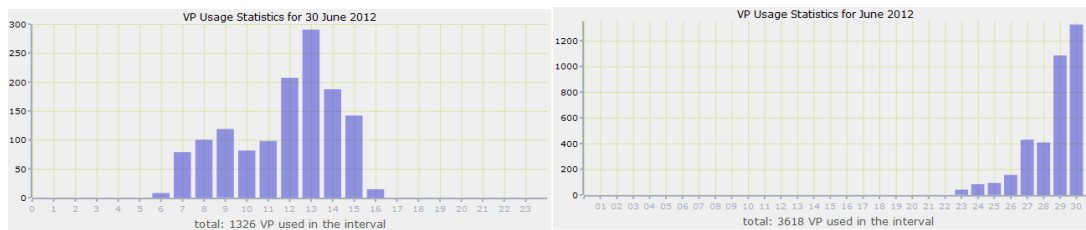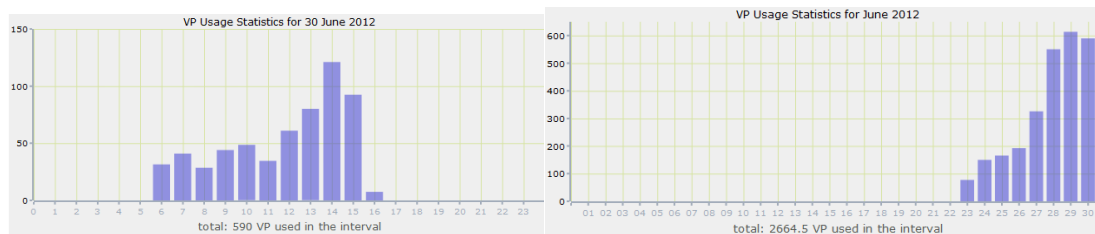
4.1.1   English 404P

4.1.2   English 180p

4.1.3   French 404p

4.1.4   French 180P

4.1.5   Russian

4.2   In Qatar in 2014

In Qatar the videos were accessible via http://www.ustream.tv/
The Company in charge did not give precise statisitics. The maximum view per day is approximately **10514 views per day.**

Date	English	French	Total
16/06/2014	1445	273	1718
17/06/2014	2636	563	3199
18/06/2014	1699	768	2467
19/06/2014	1970	200	2170
20/06/2014	3886	634	4520
21/06/2014	9383	1131	10514
22/06/2014	7685	1420	9105

23/06/2014	2006	8258	10264
24/06/2014	881	137	1018
25/06/2014	931	127	1058
Grand Total	**32522**	**13511**	**46033**