



# REINVENTING EUROPEAN JUSTICE THROUGH REMOTE HEARINGS





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## AGENDA:

- BACKGROUND
- CONSTRAINTS
- SOLUTION ADOPTED
- PROCEDURE
- USER FEEDBACK
- POSSIBLE EVOLUTION(S)





# BACKGROUND



## COVID-19 pandemic

- Travel difficulties for the lawyers.
- Risk management and potential contact cases / compliance with protective measures.
- Obligation to organise hearings that cannot be held in writing.





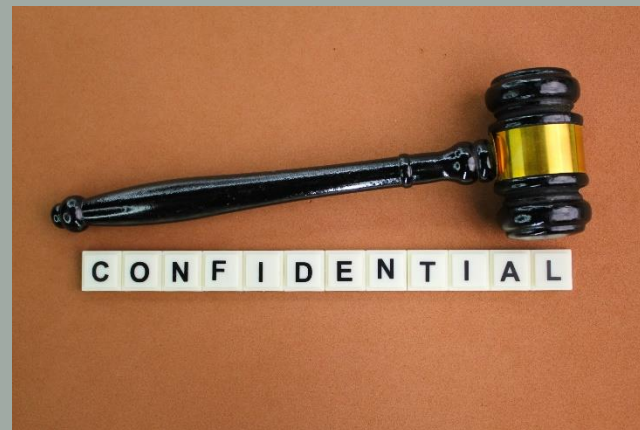
# CONSTRAINTS



## Reliability



## Confidentiality





## Interpretation



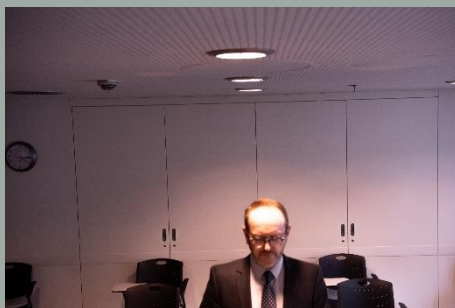
## True-to-life







## Video quality



VS







## Sound quality

4. Due to issues relating to speech intelligibility, the use of unidirectional microphones (see images below) is advised.

This type of microphone picks up sound coming mainly from one direction and will reduce ambient sound and improve the quality of the audio signal that is sent to interpreters and the various participants.



VS





# SOLUTION ADOPTED

## SIP or H323 videoconferencing system with on-prem central servers

### A videoconferencing system

Equipment that is compatible  
with H323 and SIP protocols



- ✓ compatible remote accessories
- ✗ mobile equipment (laptop, tablets or smartphones)

### The microphone

Gooseneck microphone



- ✓ unidirectional microphone
- ✗ soundbar or omnidirectional microphone



## Use of already existing projection systems in courtrooms





## Possibility of having several remote sites pleading in different languages.





## Management of the meeting by a technician.





# PROCEDURE





## Rules of procedure amended in 2024

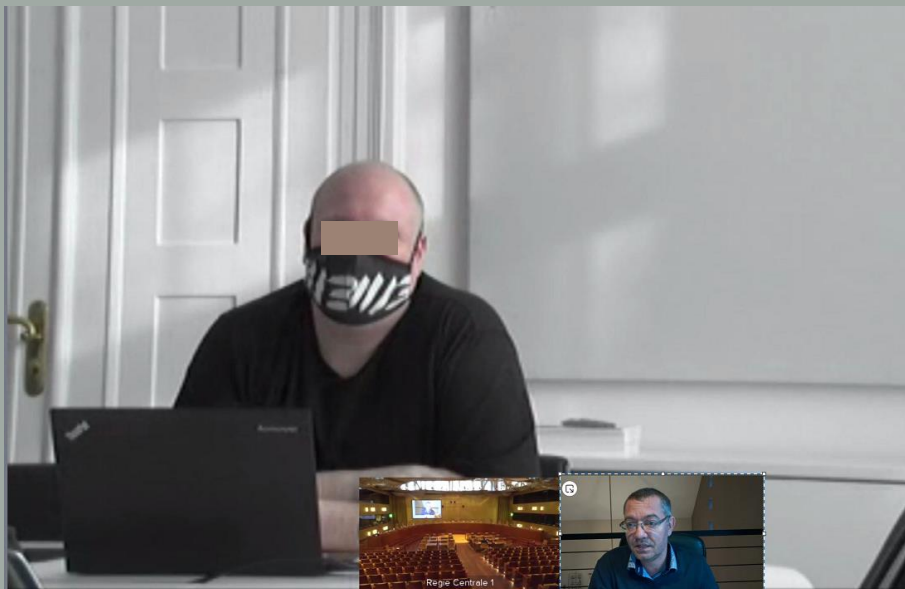
### 'Article 78

#### **Participation in a hearing of oral argument by videoconference**

1. Where health, security or other serious reasons prevent the representative of a party or of an interested person referred to in Article 23 of the Statute from participating in a hearing in person, that representative may be authorised to take part in the hearing by videoconference. That rule shall also apply to the parties to the main proceedings where, in accordance with the national rules of procedure applicable, those parties are permitted to bring or defend court proceedings without being represented by a lawyer.
2. The request to participate in the hearing by videoconference shall be made by a separate document as soon as the reason for the impediment is known and shall state the precise nature of the impediment.
3. The President shall decide on the request as soon as possible.
4. The use of videoconferencing shall not be possible in the event of a decision by the Court to hear a case *in camera* pursuant to Article 79 of these Rules.
5. The technical conditions to be satisfied by those wishing to participate in a hearing by videoconference shall be laid down in the Practice Directions to parties adopted on the basis of Article 208 of these Rules.'



## Technical compatibility check



<div><div></div><div></div><div></div><div></div></div>			
Call Details			
Protocol	SIP	Transmit call rate	1920 kbps
		Receive call rate	6000 kbps
Outgoing Audio			
Protocol	Opus	Total packet loss	0.0%
Channel rate	36 kbps	Current packet loss	0.0%
		Jitter	2 ms
Incoming Audio			
Protocol	Opus	Total packet loss	0.0%
Channel rate	48 kbps	Current packet loss	0.0%
		Jitter	1 ms
Outgoing Video			
Protocol	HEVC	Total packet loss	0.0%
Resolution	1920x1080	Current packet loss	0.0%
Frame rate	25 fps	Jitter	4 ms
Channel rate	1849 kbps		
Incoming Video			
Protocol	HEVC	Total packet loss	0.2%
Resolution	1920x1080	Current packet loss	0.4%
Frame rate	30 fps	Jitter	4 ms
Channel rate	1752 kbps		



## Technical requirements






**Network stability and good bandwidth**



**Good microphone**



## Choosing the right microphone

brand	name	type	psycho-acoustic test	psycho-acoustic test score	frequency scans and wave envelope test	price (*)	connector	mode	readily available on online shops	image
Razer	Seiren mini	podcasting mic	✓	84.33	✓	€€	USB		✓	
Audio-technica	AT2020	podcasting mic	✓	81.16	✓	€€€	USB		✓	
Razer	Seiren X	podcasting mic	✓	80.83	✓	€€	USB		✓	
Elgato	Wave3	podcasting mic	✓	80.33	✓	€€€	USB		✓	
Rode	NT1 USB Mini	podcasting mic	✓	76.66	✓	€€€	USB		✓	

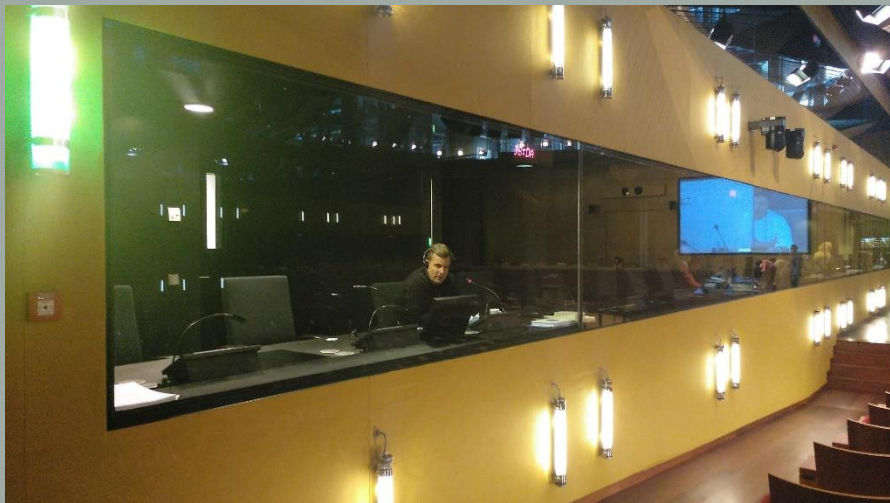
*AIIC accepts no responsibility for the products included in this table, or the use thereof.*



Link to the study here: [Web - WLD - AIIC News - AIIC](#)



## Approbation by Interpretation Directorate





COUR DE JUSTICE  
DE L'UNION EUROPÉENNE

# FEEDBACK



- Over 250 hearings held with at least one remote participant via videoconference;
- Nearly 100 validated and compatible sites
- Up to 6 different languages sent simultaneously
- Up to 8 remote parties connected simultaneously



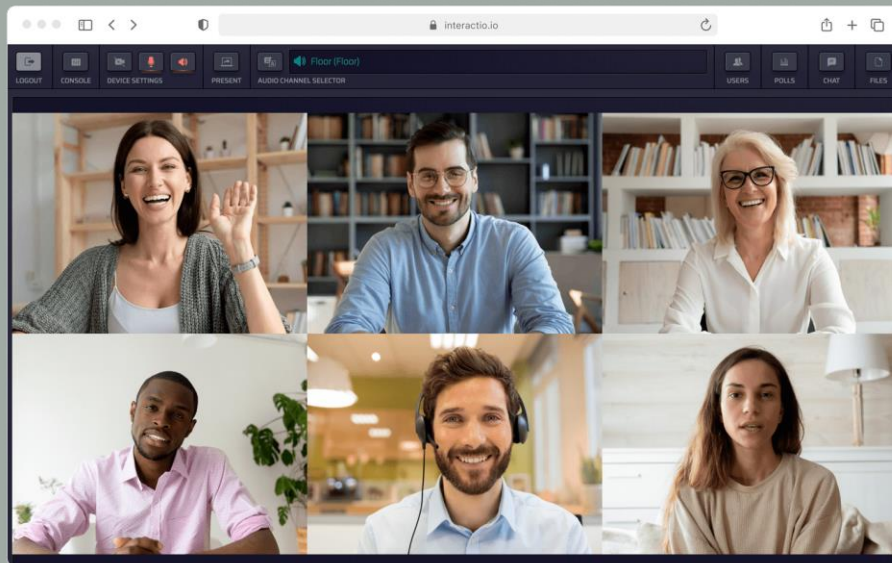




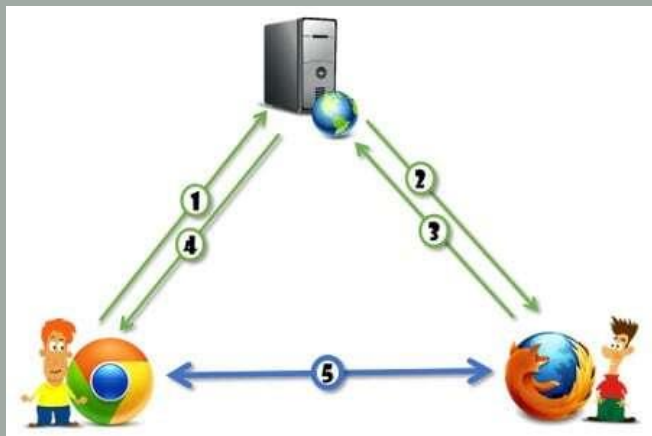
# POSSIBLE EVOLUTION(S)



## Platforms



## WebRTC (Web real time communication)



Based on API.  
High compatibility.





## AI to improve immersion





# Questions

