

Secure videoconferencing and remote verification of identity at court sessions with Next Gen ARCONTE

eu-LISA
Industry Roundtable

24 November 2023



- Fujitsu for Justice
- The Challenge
- The Solution: ARCONTE
- Strong Credentials
- Conclusion

- **European Centre of Excellence (CoE) for Justice** was set up in Valencia in 2005 with experts from both the IT and legal domains, combining the best from both worlds
- **Justice portfolio** includes trial recording solutions, forensic medicine, RFID-based corpse and laboratory samples management, and **other applications oriented to improve citizen experience** in the legal realm
- Several awards received:



- **Very large number** of court hearings each month
- **Outdated processes** are time and paper consuming
- Need “to establish a digital infrastructure that enables the fast and **secure exchange of information** [...]” ([EUROJUST](#))
- The COVID outbreak caused severe delays in proceedings and **remote access to courts** would be a mitigating factor...
- However often citizens lack the means and IT expertise to remotely authenticate themselves therefore:
 - ✓ **A robust, straightforward and universal identification method is needed**



■ Complete Digital Transformation of oral proceedings

- Certified Recording System
- Transcription and index creation of the recordings
- Live streaming of proceedings
- Secure content storage, transmission and back-up
- Back-end integrations with judicial systems
- Inter-court roaming
- Internet portal for citizens and professionals
- Statistics and custom reports
- Videoconferencing interoperability with remote sites
- Strong Remote authentication of citizens and other parties



The screenshot displays the ARCONTE user interface for a video conference. At the top, the ARCONTE logo is on the left, and the user's name 'García Pérez, Carlos' is on the right. Below the logo, there are buttons for 'Catalog', 'Recording', and a help icon. The main header shows the case details: 'J. PRIM. INSTANCIA 1 (Barcelona)' and '0000002/2020 Adopción', along with the session information 'Sesión 02: Audiencia Previa'. The interface is divided into several sections: a 'VideoBox 09' control panel on the left with buttons for 'Grabar', 'Parar', and camera selection; a central 'Videoconferencia' area with a 'No conectado' status, a contact input field, and advanced options for video, microphone, and speaker; a 'Reproductor' (video player) at the bottom left showing a courtroom scene; and a 'Intervinientes' (participants) list at the bottom right. The participant list includes Gregorio Miñana Rosell (Magistrado), Javier Martínez García (Secretario Judicial), Alejandra Gordillo Varela (Acusado), and Marta Ripoll Díaz (Abogado). A volume control bar is visible at the bottom left of the video player.



User logged in

Videoconference

Video recorder

Video player

Participants

Indexing



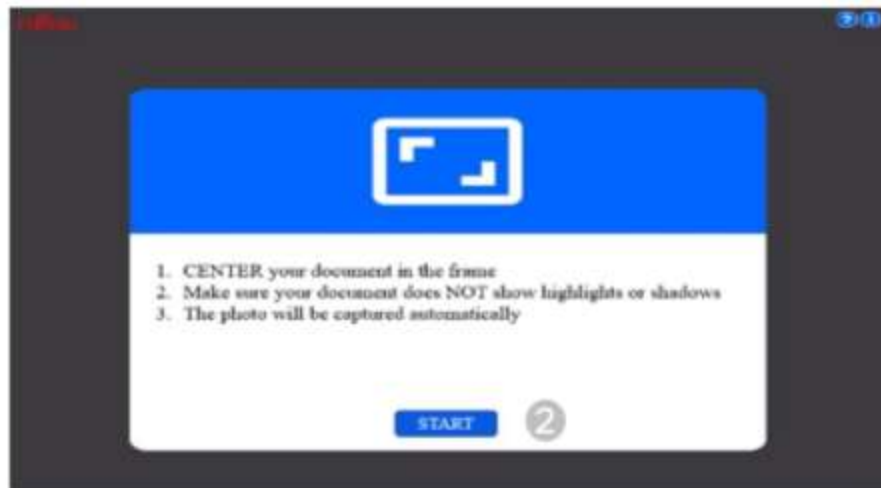
How to do easy smartphone authentication?



1. Say your first and last name when prompted
2. Show the front of your document
3. Show the back of your document

START

1



Before starting the process
read these simple instructions



Follow the movement instructions

1. Fit the face in the frame and start the countdown
2. Move your head SLOWLY in the direction indicated by the arrows
3. When the screen tells you that you have done it correctly, look at the center again.
4. Repeat the process twice

START THE PROCESS

5

- **ARCONTE is fully compliant:** Key factors for compliance are that data encryption keys, personal data and all content should be stored in EU
- **ARCONTE on-premise solution guarantees no unauthorized recordings**

	ARCONTE	Standard videoconferencing
Guarantees Legal Security GDPR, ISO27000; DSA and DMA are met if applicable?	YES	NO
Provides Certified Recording (Digitally signed) on premises?	YES	NO
Includes Interoperable SIP codec; Encrypted protocol/streams; Central infrastructure (Gateway/Gatekeeper) on premises?	YES	Partly
Features Strong Identity Authentication (Legal person validation)?	YES	NO

NOTE: Major cloud solutions are not widely used at European court hearings due to doubts about their legal validity (GDPR, Digital Services Act, and Digital Market Act)



Register

An authorized issuer (i.e.: [FNMT-RCM](#) in Spain) would create a strong SSI credential with a subset of claims from ID document



Appear

Streamlined court appearance will be made possible based on SSI credential (to be obtained beforehand) **instead of a full biometric process**



Validate

The credential presented to **ARCONTE** would allow to validate the user strongly with full legal support to court clerk



Added security

A photograph could also be included in the credential and compared to a frame snapshot taken during the videoconference



Thank you!



vicente.delasramirez@fujitsu.com

- Contact persons:
 - Regarding ARCONTE: **Vicente Delas** - vicente.delasramirez@fujitsu.com
 - Fujitsu European Institutions: **Salia Neame** - salia.neame@fujitsu.com
- More about ARCONTE and Justice:
 - ARCONTE (ES):
<https://www.fujitsu.com/es/solutions/industry/justicia/arconte.html>
 - Centre of Excellence in Justice, Fujitsu Spain:
<https://www.fujitsu.com/es/solutions/industry/justicia/index.html>