

TECHNICAL SPECIFICATIONS FOR THE PROCUREMENT OF THE COMPREHENSIVE PRODUCTION SERVICE FOR THE 3CAT CORRESPONDENT'S OFFICE IN BEIJING, CHINA

FILE NO. 2511OB04

1. Subject and characteristics of the service

The subject matter of this call for proposals is the procurement by the Corporació Catalana de Mitjans Audiovisuals, S.A. (hereinafter, CCMA, S.A.) of comprehensive production services for the correspondent office in Beijing, China — Asia, from which service shall be provided throughout China and surrounding countries.

This set of technical specifications specifies the basic characteristics that shall govern the service, without prejudice to the particular circumstances or specifications that may be set out in some procurement processes.

1.1. Main features of the service

- Comprehensive recording and editing service with transportation, internal communications with mobile telephony with internet and technical equipment for recording, editing, archiving and sending news, images and audio as well as any live system over the internet (videoconferencing or similar).
- Local production service and a fixer for the necessary arrangements to produce news, images and audio, translation, contacts and procedures for CCMA, S.A. local office.
- Workplace for the correspondent in the city of Beijing equipped for the ordinary development of journalistic work for our television and radio correspondent. Availability of portable equipment for viewing, self-editing and internet videoconferencing services.
- Connectivity via the internet with the ability to send and receive images, audio and live signals and 5G backpack service capacity, all included.
- Ability to offer services in China and nearby countries, including filming, production and connectivity.
- Ability to offer extra services not included in the set price, but necessary for the production of news or other services for CCMA, S.A. media.

1.2. General conditions of geographical area

The main territory of the correspondent office is China. The workplace shall be located in the city of Beijing. The delimited area of Beijing will be considered to be a 50 km radius around the correspondent office headquarters, including the distance to any of Beijing's international airports.

For travel outside the delimited area of Beijing, meal and/or transportation expenses will be reimbursed upon presentation of the corresponding ticket, indicating the place and reason for the recording or work.

The company that wins the tender must provide its services at any time and anywhere in the main territory of the correspondent office, China and nearby countries.

In the event that a member is unable to travel, the successful bidder must find a professional in the area who meets the same conditions and guarantees as the main team. The successful bidder shall also guarantee the corresponding permits and accreditations for each area.

1.3 Calculation of the day and transport in the delimited area of Beijing

The call and the calculation of time will begin and end at the usual place of work of the correspondent for CCMA, S.A. in Beijing or at the hotel where he/she is staying if he/she is travelling with this or another team determined by CCMA, S.A.

The team must be prepared to travel at any time within the correspondent's area.

There will be no additional cost for working on weekends, mid-week holidays or overnight.

2. COMPREHENSIVE PRODUCTION SERVICE FOR THE CORRESPONDENT OFFICE

2.1. Characteristics

Coverage: every day of the year.

The provider must be able to guarantee the service with the necessary resources 365 days a year, 24 hours a day, 7 days a week, including holidays and weekends.

Recording-editing and live services and local production and fixer services must be provided separately.

2.2. Details of the awarded service

2.2.1 Recording-editing and live service

Recording, editing in professional editing systems and sending of news or images and audio via link or internet, in accordance with the procedure to be defined in advance by CCMA, S. A.

The winning company will also be responsible for the necessary conversion of image formats.

The sending of images, audios and files via the internet shall always be done according to the format required by CCMA, S. A.

The minimum requirement for the video shall be Full HD 1080/50i format (interlaced, not progressive), MP4 H264 encoding with a bit rate of 10-20 Mbps and PCM audio at 48 kHz and, upon request, in 4K under the same conditions. Other formats will not be accepted, as they are not compatible with our system. The material will be sent to the FTP established by the CCMA.

Coding to the required format will be the responsibility of the bidder.

Likewise, it must perform the complete service of editing and execution of live broadcasts with the correspondent or with the personnel designated by CCMA, S. A., using the 5G device.

Likewise, the winning bidder must facilitate and support live connections by videoconference via the internet or similar systems, with a mobile phone or computer. Following the editorial team's journalistic criteria, it will assist in archiving images to facilitate editing and will send the images on a monthly basis to the Barcelona documentation centre for safekeeping.

2.2.2 Local production and fixer service

The production service consists of:

- Contact management, search (for interviews, advice, press conferences) for the news of the day or the production of news reports.
- Coordination of personalised direct deliveries and sending/receiving via the internet.
- Accreditations, search management, reception, recording and purchase of images and audio, digitalisation and administration of digital files.
- Preparation of budgets prior to the correspondent's trips and requests for hotels and tickets through the company tendered by CCMA, S.A. for this purpose.
- Advance payment of production costs and corresponding settlement of bills.
- Management of permits, research and coordination with other productions or entities necessary for the correspondent.
- Other procedures such as: generation of statistical reports of the services required and produced by the correspondent, as well as procedures required before other entities, whether private or official and administrative.

The local fixer service consists of the person that the Chinese government requires all foreign media outlets by law to hire in order to authorise the media outlet's activity in the country. The local fixer is assigned to the CCMA by the Diplomatic Bureau of the Chinese government.

The local fixer service is mainly responsible for managing contacts and translating the day's news.

Both services must be offered in person whenever the correspondent requires it and they must be available to travel.

2.3. Contact point

The winning company shall designate a coordinator-contact point to receive and manage instructions and must guarantee communications 24 hours a day, 365 days a year.

2.4. Coverage outside Beijing and other countries

The regular team of the local recording, editing, production and fixer service must be able to travel outside the main area at no additional cost, except for duly justified extra production expenses arising from travel (by presenting the corresponding tickets) during coverage outside Beijing/China.

The successful bidder must guarantee that the team is covered through its own means with the necessary insurance in all territories considered risky, if applicable.

In the case of trips in which it is necessary to change currency, confirmation of currency changes must always be provided via the corresponding receipt, which is to include the date and the exchange rate applied.

In the case of travel to countries in the area of influence that require specific and temporary visas, the services must have the required documentation and meet the necessary requirements to obtain said visas.

In the case of the local fixer service, when travelling outside the People's Republic of China and its autonomous territories, the winning company must arrange for a local fixer service, with validation of the profile and acceptance of the quotation by CCMA, S.A. prior to the rendering of services.

The successful bidder will be responsible for all documentation relating to the technical team when travelling to another country.

2.5. Travel management

The production service must manage the travel of CCMA, S.A. team that ordinarily provides service to the Beijing correspondent office and, occasionally, to some other team that, for reasons of the latest news, is on location within the territorial scope of the correspondent.

Travel management must be done through the agency determined by CCMA, S.A. according to the protocols and travel policy that CCMA, S.A.'s production services will deliver to the winning company before the start of the service.

3. PERSONNEL

The selection of staff will be the domain of the bidding company, and number and identity of staff may be changed freely, provided that the staff meet the training and experience requirements that have guided the award decision. Their credentials must be submitted to CCMA, S.A. for the purposes of ensuring the quality of the contracted service. This team shall be led at all times by the person responsible for acting as the coordinator/contact point as designated by the awarded company, and shall be responsible for its direction, supervision and management, while also acting as a liaison with the correspondent designated by CCMA, S.A. at all times and CCMA, S.A. service coordinator.

The bidding company alone will be answerable for the contracted services. The hiring of all members who are part of the service shall be the responsibility of the bidding company. CCMA, S.A. shall only be responsible for confirming the corresponding accreditations.

3.1. Recording and editing service

The bidding company must present a minimum of 2 professional camera operators/editors with experience in the news sector.

The operator who makes the recording must be the same as the one who does the edits.

The winning company must assign the task of operator/editor to the same professional who made the videos submitted in this tender.

The service must have a minimum of 3 years of experience in the last 5 years in recording and editing news in communications media or as an audiovisual producer.

The person assigned to the service must have technical knowledge of video, radio and digital:

- Recording with professional cameras with audio controls.
- Recording, editing and sending with the MOJO (Mobile Journalist) system.
- Lighting for stand-ups and interviews, editing with a professional editing system for news such as Adobe Premiere or Davinci (hot news concept and reports).
- Handling of the digital production line and image, video and audio formats and abilities in sending processes and handling file formats over the internet.
- Must be capable of using “5G backpack” transmission systems.

Confirmation of this knowledge must be provided.

The service must have a valid local or international driver's licence to drive the filming vehicles.

The operators proposed by the bidding company must be bilingual (Chinese/English).

The service must be able to draw on technical assistance from the bidding company at all times.

The service must have the necessary documentation (residence and work permit or the corresponding visa) needed to obtain official press accreditations. The service undertakes, during the duration of the contract, to monitor the administrative procedures regarding the renewal of accreditations within the established timeframes, which are essential to being able to access entities and events that information monitoring requires.

CCMA, S.A. will provide documentation to the winning company so that the operator can obtain press accreditation with the Chinese authorities. Both the winning company and the operator(s) undertake not to make improper use of this accreditation.

3.2. Local production and fixer service

3.2.1. Production service

The bidding company must offer a production service with experience in producing news for daily international media coverage in local media or production houses in China. This service must have in-depth knowledge of the country and its customs and have local contacts.

Confirmation of this knowledge must be provided.

The service must have a minimum of 3 years of experience in the last 5 years.

The service must be bilingual (Chinese/English) and must be provided in person whenever requested by the correspondent.

The production service must have all the necessary documentation within the established timeframe to be accredited by the organisations and events that require news coverage. CCMA, S.A. will provide the documentation to the winning bidder so that the service can obtain press accreditation from the Chinese authorities. The successful bidder undertakes not to misuse this accreditation.

When travelling to any territory in the main area of the correspondent office (China), the service must have the specific documents or valid visas. The service shall be able to travel throughout the People's Republic of China at no additional cost, except for travel expenses. In territories that require a single, temporary visa for specific recordings, they must have the necessary documentation and meet the requirements to obtain this visa, provided that local laws allow it.

3.2.2. Local fixer service

The bidding company must offer a local fixer service with experience in international media.

The service must have a minimum of 2 years of experience.

The local fixer must be validated by the Diplomatic Bureau of the Chinese government.

The service must be bilingual (Chinese/English) and must be provided in person whenever the correspondent so requests.

In the event of travelling to any other territory covered by the correspondent area (nearby countries), the bidder must provide a local fixer service with a profile equivalent to that of the usual fixer, in order to guarantee local knowledge of the language and territory.

3.3. Other aspects

In the event of a team member leaving, the replacement must be made in a time and manner that minimises the impact on the required service with no additional cost.

In the event that the successful bidder must change the service personnel evaluated in the original proposal, their replacement, in any case, may not be of inferior quality or ability. This ability must be demonstrated when the replacement is proposed and approval from the CCMA will be required.

3.3.1. Protective equipment

In the event that the news coverage requires it, both in the territory covered by the correspondent office and abroad, the successful bidder shall provide the necessary and appropriate approved personal protective equipment to its workers depending on the risks of the areas and events to be covered. Personnel must have received the necessary training and information to wear and use it correctly, to deal with eventualities during recordings considered risky or when travelling to conflict zones in the event that this should occur. In these cases, the successful bidder must present the supporting documentation that it actually has the protective equipment.

3.3.2. Insurance

The successful bidder must also ensure that the work team under their charge is covered with all necessary insurance at all times, and must also extend coverage to all work territories considered risky.

The successful tenderer must provide documentation to confirm that they have taken out insurance with coverage in the countries in which they are to provide the service and have the necessary coverage.

3.4 Extra Services

Bidding companies must have the necessary capacity to offer the extra recording-editing services not included in the fixed service price, but that are necessary for news production.

The bidder must offer the extra available services within a period of no more than 48 hours.

The bidding companies must bid these extra services according to the rates submitted in their financial bid.

3.5 Billing

The successful bidder will issue two invoices in euros each month, one for the monthly pack and another for the contracted services and extra expenses.

The invoice for extra services must be detailed by date of performance and description of the service along with supporting documentation (service request/ticket or invoice) that confirms the expense. If this is not submitted in the manner indicated or without the corresponding documentation, CCMA, S.A. will reject the invoice.

In any case, expenses without supporting documents or expenses that have not been previously approved by CCMA, S.A. will not be reimbursed.

4. TECHNICAL EQUIPMENT

4.1. Technical equipment for television

The winning company must make the following available to filming teams: filming and editing equipment consisting of a high-definition digital camera, a PC with a non-linear editing system to carry out the editing and a portable non-linear editing device in the case of travel by the correspondent or person specially posted by CCMA, S.A.

At a minimum, they must have the following equipment:

Filming equipment:

- A professional broadcast-quality camera (3 sensors and a minimum resolution of 1920 x 1080) with corresponding tripod and monopod + optics with a minimum optical zoom of x17 and stabiliser when working with a telephoto lens.
- Content format HD 1080i/50.
- Storage media for recording with the camera. It will be necessary to ensure 10 hours of HD recording (memory cards) for each of the cameras.
- Batteries and battery charger to guarantee around 10 hours of recording.
- HD digital filming camera with solid state drive. This camera must be smaller and more versatile to allow filming discreetly and in special situations. Storage media and batteries for this second camera.
- Recording and playback equipment compatible with the camera's recording media and format, with an integrated screen that makes it possible to review the images. This equipment will have the necessary signal inputs to be able to record external signals provided by third parties and will allow for monitoring the audio and video of what is being recorded.
- Transport bags for all filming equipment.
- 2 hard disks of at least 4 TB for the storage of filmed material.

Lighting equipment:

- Portable LED lighting equipment for camera with battery. This equipment must be suitable for outdoor use and be able to withstand inclement weather, especially wind.

- Lighting equipment for one-person interviews. Minimum 2 LED panels with associated accessories: carrying bag, filters, batteries, power cables, etc.

Audio equipment:

- Microphone set for a minimum of two people. Equipment must include a handheld microphone for stand-ups, a directional lapel microphone for street interviews and a shotgun microphone, as well as a boom pole for interviews for programmes. The connection must be possible with cable and wireless transmission.
- Microphone kit accessories. Audio cables of different lengths necessary to connect the microphones shall be available, as well as table and standing supports (giraffe type) for the handheld microphone. Each microphone must have its own windscreen.

Connectivity equipment:

For the content transmission service for live broadcasts and transmissions with 5G technology, the following equipment will be required:

- An iPhone 15 Pro Max or higher for live broadcasts, with applications and a MoJo licence to be able to record, edit and send, with all necessary accessories.
- A 5G backpack with at least 4 SIM cards from 2 different operators.
- The installation of the corresponding server at the TV3 headquarters in Sant Joan Despí.
- Two smartphones with headsets for live interventions, one so that the correspondent/guest may receive the N-1 signal, and the other for coordination with the camera operator. The phones are to be configured to receive communications via email or WhatsApp, and have auxiliary external batteries.
- Any other type of auxiliary equipment (cables, adapters, filters, etc.) necessary to correctly provide the service.

Computer equipment:

- Desktop PC with office software and internet connection, with these specifications at a minimum:
- Processor: Intel Core Ultra5 235T 5.00G 24MB 14 cores 35W with VPRO technology

Hard disk drive: 512 GB. 2280 PCIe NVMe

Operating System: Windows 11 Pro 64

Rear ports: 3 - USB 3.2 type A, 1 HDMI, 2 Display Port.

Front ports: 2 USB 3.2 type A, 1 USB 3.2. type C (with charging). Audio Combined microphone/headphone

- 24" to 32" 16:9 compatible flat screen to connect to the desktop PC or laptop for editing when the team is working in the newsroom's editing room.

Size: 24" (23.8")

Panel: IPS

Format: 16:9 LED

Resolution: HD 1920 x1080 60 Hz.

Multimedia: Speakers

Webcam and Microphone, all integrated into the monitor.

Adjustments: Height adjustable Rotation (90°)

Connections: HDMI(1) - 1 USB 3.0, Audio (headphones)

- Laptop with non-linear editing system (such as Adobe Premier, Davinci, Final Cut or similar) with a device to ingest images recorded with the camera. This computer will be equipped for videoconferencing with an HD webcam, microphone and specific headset. You must have an XLR to USB preamplifier/converter device to allow you to put voices on the computer with the handheld microphone. You will need to have an integrated SIM or work with a MiFi router to connect to the internet.
- The computer equipment must have updated antivirus and EDR software. Monthly application of operating system security patches. Ensure appropriate use and ICT security of the equipment.

Radio equipment:

- 1 Prodys Quantum Lite Portable, with two SIMS from two different companies.
- 1 Sennheiser E835S microphone
- 1 Sennheiser HD26 headset

File format:

The production line must be in HD (high definition) format.

The type of file to be delivered once edited must be MPEG-4 H264 in full HD 1080/50i PAL and 2 audio channels, compatible with the CCMA, S.A. file reception system. It will be necessary to ensure validation of the file sending system once the service starts. The bidder must be able to guarantee the entire production chain, from collection to sending by FTP. The bidder must adapt the format for delivering the files to technological changes that may occur during the contract term at the request of CCMA, S.A., at all times.

The type of audio file to be delivered to the radio must be in the **.mp3 320 kbps CBR** format. The bidder must adapt the format for delivering the files to technological changes that may occur during the contract term at the request of CCMA, S.A., at all times.

Other requirements:

The consumables required for the ordinary operation of the service (batteries, light bulbs, spare parts for accessories) are included in the price of the fixed service.

The successful bidder must specify its preventative maintenance plan and the means it has to address any breakdown of the devices.

Considering the needs of the correspondent's information monitoring, in the event of equipment malfunction, the replacement must be made in a time and manner that minimises the impact on the required service without incurring additional cost and while ensuring the usual digital production line.

The company must ensure the proper storage of the recorded material, guaranteeing the custody and privacy of the images recorded on behalf of CCMA, S.A.

4.2. ATA carnet or equivalent document

In the event of travel to countries where it is required, the filming and editing team must have, at no additional cost, specific documentation for customs (ATA Carnet, bank guarantees, lists or similar) so that the material may enter and exit. Managing this documentation will be the responsibility of the successful bidder, and the possible costs included in the fixed service.

5. TRANSPORTATION OF FILMING EQUIPMENT

This service must have a vehicle or provide an adequate transport system for the entire team to travel around the main territory of the location office. The fixed price must include all-risk transport insurance, maintenance, cleaning and travel within the municipality of Beijing, parking and traffic fees if necessary or, if unavailable, for a taxi for the main correspondent's film crew or, in the case of absence or travel, for their substitute.

6. WORKSPACE

The bid must include a workspace for CCMA, S.A. correspondent in the Chaoyang District, Beijing. The location must have mobility facilities with public transport given the characteristics of the city.

The space must have:

- 1 workspace
- Furniture: desks, ergonomic chairs, shelves, wardrobe.
- 1 desktop PC
- 1 printer and access to a photocopier with scanner.
- TV with access to international broadcasts
- Internet access with a minimum speed of 1 Gbps, preferably through symmetrical fibre optics with exclusive use and access to a WiFi network.

The correspondent's workspace must be located near the space intended for live broadcasts.

The other services (filming and editing service, production service and local fixer) must be located in a place close to the correspondent's space.

Additionally, for video editing, a nearby, suitably equipped space will be required.

All expenses related to the workplace must be included.

The facilities must be in perfect habitable condition.

The work space must include security service.

7. CONNECTIVITY:

The workspace offered by the bidding companies must have, included in the price, high-speed symmetrical internet connectivity. It must be guaranteed that the internet connection allows a minimum speed of 1 Gbps and is for the exclusive use of CCMA, S.A.

It must be able to be used unlimitedly as a video and audio playout and for sending and receiving files via FTP.

These services and conditions must be available to any CCMA, S.A. team (television and radio) and may be simultaneous, if necessary, with other services of a different nature that are included in the contract at no additional cost.

7.2 5G Backpack link device

A 5G HD 1080/50i backpack with at least 4 SIM cards suitable for the entire territory of China shall be included in the monthly pack. In the event of using the device outside of China, the costs of local SIMs will be borne by CCMA, S.A.

This service shall include:

- 5G transmission backpack with the ability to broadcast HD 1080/50i with at least 4 SIM cards from at least 2 different operators.
- A server with at least 1 HD SDI 1080/50i output for receiving 5G backpacks. This server will have to be installed at the TV3 studios in Sant Joan Despí.

7.2.1. Technical description of the equipment

The team must have current technology available on the market.

The bidder must indicate the make and model of the equipment offered. The weight of the entire set of transmitter equipment and the 2 batteries must not exceed 3,300 grams.

The equipment must allow transmissions to be achieved with a latency less than or equal to 2 seconds.

The maximum bit rate of the transmission must be at least 20 Mbps.

The minimum latency must be less than or equal to 500 ms.

The backpacks should have an efficient bonding system.

The equipment must have SD/HD-SDI video input via coaxial cable and auto-selectable HDMI, support H264 or H265 encoding with 2 embedded (nested) AES channels.

The video quality in HD transmissions at 6 Mbps and latency less than or equal to 2 seconds must achieve a PSNR (Peak Signal-to-Noise Ratio) value greater than 27 dB with the crowd-run sequence.

The team must have cards from a minimum of 2 Chinese telephone operators and 2 mobile data cards for each of the 2 operators, making a minimum of 4 cards. The cards must have an unlimited flat rate, contracted and managed by the provider. The cost of these cards must be included in the service. It must be guaranteed that data service

throughout China is 24/365. Data cards must be integrated within the equipment and access and replacement of cards must be easy.

The bidding company must also have a pack of cards with international roaming to provide urgent coverage in other territories until local cards can be acquired.

The team must have a coverage monitoring system and video and audio signals monitoring system at the input.

The bonding data transmission channel grouping system (3G, 4G, 5G, Wifi and ETH) must allow the bit rate required by the video and audio stream to be achieved with the following considerations:

The video encoder will reduce the output bit rate to make the stream fit the total available bandwidth.

The system will be protected with an error corrector that will work using the total flow, independent of the failure of one or more of the bonding channels. The total latency required will be affected by the quality of the channels used for transmission.

The 5G backpack a high degree of overall robustness, especially in its connection elements.

It must have integrated 802.11n Wifi or Ethernet access for internet connections.

The equipment must include: a minimum of two batteries, the charger, the power supply, connection cables and a transport backpack. The autonomy of the two batteries together must be greater than 150 minutes.

7.2.2. Basic technical characteristics of the equipment supplied for the reception of 5G Backpacks

The decoder in the TV3 studios in Sant Joan Despí, which must be installed, tested and in proper working order on the day that contract execution begins and will be provided in all cases by the bidder at no additional cost.

This piece of equipment will be permanently located at the CCMA, S.A. facilities. It must be able to be remotely controlled by a system that allows simultaneous centralised control of the delivered 5G Backpack equipment, with access to monitoring parameters (GPS position, mobile data line coverage, etc.) and settings control (video quality, transmission initialisation, etc.).

The 5G Backpack and reception system must behave transparently with regard to the format of the signal connected to the Backpack. That is, the format of the input video signal to the transmission equipment must be the same as that delivered by the receiving equipment.

The output from the equipment must be in SDI format. Each of the pieces of equipment in the receiving system must deliver a video frame over IP for monitoring. It must be easy to view the coverage of each SIM and the transmission bit-rate

There must be functionality to allow labelling, within the application, of the backpack according to a naming system specific to CCMA, S.A.

7.2.3. Security of the reception system (server)

Regarding the security of the reception system, the successful bidder must comply with the following security measures:

1. Operating system. This must be supported by the manufacturer and updated to the latest version of the manufacturer's security patches.
2. Operating system. Automatic updates of security patches enabled or a manual schedule, but it must be ensured that security patches are applied regularly and that the machine is never more than 2 months behind. The supplier must verify that the patches are correctly implemented.
3. Antivirus (paid), active in the case of Windows Operating Systems.
4. Remote reception by the provider of possible alerts that the antivirus may send, so that actions can be taken in response.
5. Remote control tools (TeamViewer, etc.). Latest version of the tool installed, not having the service running if possible, agreement to be made with the CCMA on the procedure to be able to access if needed.

7.2.4. Mobile application:

Equipment shall be provided to ensure a live connection via a mobile device, such as a smartphone or equivalent mobile devices (mini tripod, microphone adapter, headsets, etc.). The successful bidder will offer technical support to the correspondent to guarantee the connection.

Likewise, licences shall be provided (at no additional cost) to guarantee a live connection through this mobile device (TVU Anywhere app, LiveU or equivalent).

7.2.5. Equipment maintenance

The successful bidder will be responsible for the maintenance of all equipment, ensuring that all devices in the system have the latest firmware and software versions recommended by the manufacturer.

The successful bidder must specify its preventative maintenance plan and the means it has to address any breakdown of the devices.

The successful bidder must provide a contact point to guarantee the proper functioning of the service, 24 hours a day, 365 days a year.

7.2.6. Equipment replacement

It is required that in the event of breakdowns or accidents that may occur in any pieces of the equipment while the contract is in force, whether with the 5G Backpack or the reception system, which prevent it from operating effectively, the bidder shall make available another unit with the same characteristics and manufacturer in the shortest possible time, and in no circumstances more than 24 hours from notification of the breakdown.

7.2.7. Mobile telephony for live broadcasts

The service must include, at no additional cost, two terminals with mobile lines, to be used as a return (IFB) and coordination system, and the corresponding earpieces for personal use by correspondents. Likewise, the bidding company shall be responsible for the maintenance and cost of international mobile data lines with no limitations on use.

7.3 Radio connectivity

It is necessary to guarantee, within the fixed price, connectivity to the correspondent's facilities or outside them, for live broadcast-quality interventions through the radio medium. The service must allow live intervention by the correspondent from CCMA, S.A. It must include a suitable space, microphones, headphones, connectivity and assistance from the production team when necessary.

This service must be provided with a **Prodys Quantum Lite Portable** backpack available in the correspondent office and equipped to be used off-site, with its two active SIMs from different companies.

7.4 Live television point at the local office

The comprehensive production service must include an outside live position from the local office's facilities with views of the city. The 5G Backpack link device can be used as a signal transport system. The costs of this service are included in the fixed price.

Due to the city's weather conditions, there will also need to be an indoor live point option with real views and/or chroma keying.

Proposals for positions such as real views with distortion elements in the background or that do not allow a clear mid-shot of the correspondent (such as window frames or bars in the middle of the shot) will not be accepted.

When the connection is made via chroma key, the bidder must indicate what type of background images of the city they will offer (whether through a live beauty camera or recording). If the bidder opts for recordings, the bidder must undertake to update them based on the time of day and the seasons of the year.

The bidder must guarantee broadcast-quality audio and video conditions. The live positions must be appropriately lit and climate controlled.

The service must include return lines (IFB) and coordination and the corresponding professional earmuffs at no additional cost.

These services and conditions (external and internal live broadcast points and 5G link device) must be available to any team from CCMA, S.A. that requires the services of the correspondent.

Alternatively, the connection could also be made with a remote camera without an operator.

In this case, it would be necessary to have a dedicated PTZ camera for this function, which could be controlled remotely from the correspondent's headquarters in Beijing and has several memory cards. This position must be properly lit and it must be possible to

clearly differentiate the time of day in which the connection is made (morning, noon, evening and night).

The camera could be a Panasonic AW-UE100 model PTZ, or an equivalent or higher model and must have an audio input, to input the controller's audio.

The video must be 1080/50i and must be encoded in H264 or H265 and encapsulated in an SRT streaming with a minimum of 10 Mbit/s so the content can be sent to the CCMA studios. This camera must be connected via Ethernet (cable) to the internet.

8. GUARANTEES AND CAPACITY TO RESPOND

The contracted services included in the comprehensive global pack must be guaranteed against breakdowns or malfunctions of technical equipment and absences of personnel providing the service.

In the event of a member of the filming and editing team leaving or equipment malfunctioning, a replacement must be made in less than 24 hours.

The correspondent's news coverage requires a high capacity to respond to any unforeseen events that may affect it, such as meeting new needs.

9. AUDITS OF THE SERVICE

The service supervisor at the successful bidder will periodically report on the development of the service to the service supervisor at the CCMA, S.A.

The service supervisor at CCMA, S.A. will see to the adequate provision of the awarded service, in accordance with the requirements of the tender, and may request specific reports on the development of the service or on the incidents that may occur. The service supervisor at CCMA, S.A. will also communicate to the management of the winning company any anomaly in the provision of the awarded service.

All issues that may arise in the execution of the contract will be resolved in periodic meetings between the supervisor designated by CCMA, S.A. and the supervisor designated by the awarded company.

CCMA, S.A. reserves the right to audit all aspects and services called for in the specifications at any time during the term of the contract.

10. EXPLOITATION AND INTELLECTUAL PROPERTY RIGHTS

CCMA, S.A. is established as the sole, exclusive holder of all intellectual property rights over the content of the audiovisual productions made under this contract with the power to transfer them to third parties and, in particular, those rights of reproduction, distribution, public communication, making available, transformation and dubbing and/or subtitling into any language for exploitation in any form and modality and in all types of systems and media, without any share due to the successful tenderer from the earnings accrued by CCMA, S.A., whatever the item or service sold.

These rights extend to the territorial scope of the entire world, without exception, and last for the maximum term established in the Intellectual Property Law for producers of audiovisual recordings.

The successful bidder undertakes to periodically send the original recorded material to the Barcelona headquarters of CCMA, S.A. for safekeeping in the central archive.

Once the contract ends, the bidder will deliver to CCMA, S.A. the hard drives with the recorded material and will delete any images or sounds owned by CCMA, S.A. that may remain on its internal network, servers or laptops.

The winning bidder and its staff undertake not to disclose information obtained during the working relationship with CCMA, S.A. to third parties, as well as to safeguard and make proper use of passwords or other sensitive information obtained through the same working relationship.

In its capacity as producer and holder of intellectual property and industrial property rights, the use of the corporate image of CCMA, S.A. and its media, its brands, as well as the image of its workers in the exercise of their professional tasks for promotional, commercial or any other purpose, will require the explicit consent and express authorisation of CCMA, S.A. itself. This extends to all kinds of acts of public communication by all kinds of media, including the corporate website and the social media of the winning bidder.

11. PENALTIES

The successful bidder will be penalised financially in the following circumstances:

1. If on the day the contract comes into force, the successful bidder does not have the material and technical equipment indicated in its bid or if during the contract there is any change regarding the material offered and this does not comply with the requirements, CCMA, S.A. will apply a penalty to the first invoice of 50% of the invoice total, and will maintain said penalty as long as the successful bidder does not make the equipment included in the bid available to the contract. In the third month of non-compliance, CCMA, S.A. will be authorised to terminate the contract without the successful bidder being entitled to any type of compensation.
2. If on the day the contract comes into effect, the personnel who will ultimately participate in the service have an objectively lower qualification than that proposed by the successful bidder in their bid, or if during the validity of the contract there is any change with respect to the proposal submitted and the change does not comply with the requirements, CCMA, S.A. will apply a penalty to the first invoice of 30% of the invoice total, and will maintain said penalty as long as the successful bidder does not make personnel with the required and offered qualifications available to the contract. In the third month of non-compliance, CCMA, S.A. will be authorised to terminate the contract without the successful bidder being entitled to any type of compensation.
3. If on the day the contract comes into force, the successful bidder does not have the proposed workspace fully equipped or if during the contract the successful bidder changes the workspace offered and evaluated for another with a lower qualification, CCMA, S.A. will apply a penalty to the first invoice of 30% of the invoice total, and will maintain said penalty as long as the successful bidder does



not make the workspace with the required and offered qualification available to the contract. In the third month of non-compliance, CCMA, S.A. will be authorised to terminate the contract without the successful bidder being entitled to any type of compensation.

Sant Joan de Despí, November 2025