CONATEL
COMISIÓN NACIONAL DE TELECOMUNICACIONES

GOBIERNO DEL PARAGUAY | PARAGUÁI REKUÁI

ACTA DE VERIFICACIÓN DE BIENES ADQUIRIDOS

Asunción, 19 de noviembre de 2025

Por la presente, y con referencia a la **COMPROBACION DE LOS BIENES ADQUIRIDOS**, correspondiente a la LPN Nº 11/2025, ID Nº 464.189, Contrato Nº 15/2025 AMPLIACIÓN Y ACTUALIZACIÓN DEL SISTEMA DE COMPROBACIÓN TÉCNICA DEL ESPECTRO RADIOELÉCTRICO, se deja constancia que se ha realizado la verificación física, y se concluye que los bienes verificados, corresponden a los componentes de Contrato N° 15/2025, en concordancia con la oferta presentada, por lo que se Anexa el listado de los bienes y fotografías verificados in situ.

Atentamente.

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Firma Administrador del Contrato

ANEXO - ACTA DE VERIFICACIÓN DE BIENES ADQUIRIDOS

LISTA DE BIENES VERIFICADOS - CONTRATO N° 15/2025		
ITEM 1		
1	**Modelo** Descripción	**Cant.**
1	**NESTOR OPTIONS**	**1**
1.1	**Upgrade existing system for 5G measurements**	**3**
1.1.1	**TSMA6-K50** TSMA6 Scanner Option: 5GNR Measurements on SS/PBCH block for sub 6 GHz and mmwave range (24 - 44 GHz, with downconverter). Requires the all-band-option (KAB). (software license)	**3**
1.1.2	**NESTOR-XY** NESTOR Software Update License with fixed end date	**3**
1.1.3	**NESTOR-1Y** NESTOR Network Analysis Software Option: Software Updates for **1 Year** (4 Updates)	**3**
1.2	**Additional NESTOR System with 5G**	**3**
1.2.1.1	**NESTOR**	**3**
1.2.1.1.1	**NESTOR** NESTOR Cellular Network Analysis Software incl. USB 2.0 dongle with Smartcard Single license	**3**
1.2.1.1.2	**NESTOR-L3** NESTOR Language Option: Spanish (software license)	**3**
1.2.1.1.3	**NESTOR-1Y** NESTOR Network Analysis Software Option: Software Updates for **1 Year** (4 Updates)	**3**
1.2.1.1.4	**NESTOR-SCN** NESTOR Option: R&S® Scanner Driver for all technologies; for TSMA6, TSMA6B and TSME6; Single User License.	**3**
1.2.1.1.5	**NESTOR-ACD** NESTOR Option: Auto Chan. Detection for all technologies supported in NESTOR; Single User License.	**3**
1.2.1.1.6	**NESTOR-COV** NESTOR Option: Coverage Analysis for all technologies; Single User License.	**3**
1.2.1.1.7	**NESTOR-CPE** NESTOR Option: Cell Position Estimation; for all technologies supported in NESTOR; Single User License.	**3**
1.2.1.1.8	**NESTOR-IND** NESTOR Option: Indoor Geo Referencing supports geo positioning without GPS unreferenced or geo referenced maps (software license)	**3**
1.2.1.1.9	**Controller**	**3**
1.2.1.1.9.1	**RMS-FX-T1**	**3**

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	Structural article for 12,5"	
1.2.1.1.9.2	**RMS-TB1-ES**	**3**
1.2.1.1.9.3	**RMS-DOCKIN**	**3**
	Docking Station for Dell Notebooks	
1.2.1.1.9.4	**RMS-NB-PA1**	**3**
	Notebook shoulder bag 15-17 inch	
1.2.2.1	**Scanner**	**3**
1.2.2.1.1	**TSMA6B**	**3**
1.2.2.1.1.1	**TSMA6B**	**3**
	TSMA6B Autonomous Mobile Network Scanner 350 MHz - 6.0 GHz;	
	1 receiver with 20 MHz bandwidth, integrated GPS, Bluetooth/WiFi,	
	12V DC operation. Incl. GPS antenna, dipole antenna, BT/WiFi Antennas integrated, DC cable.	
	Requires TSMA6-Kx options.	
1.2.2.1.1.2	**TSMA6-KAB**	**3**
	TSMA6 Scanner Option: Measurement all bands simultaneously (software license)	
1.2.2.1.1.3	**TSMA6-K21**	**3**
	TSMA6 Scanner Option: WCDMA (software license)	
1.2.2.1.1.4	**TSMA6-K23**	**3**
	TSMA6 Scanner Option: GSM (software license)	
1.2.2.1.1.5	**TSMA6-K27**	**3**
	TSMA6 Scanner Option: Spectrum Measurement, RF power scan measurements	
	(software license)	
1.2.2.1.1.6	**TSMA6-K29**	**3**
	TSMA6 Scanner Option: LTE-FDD and TD-LTE (software license)	
1.2.2.1.1.7	**TSMA6-K50**	**3**
	TSMA6 Scanner Option: 5GNR Measurements on SS/PBCH block for sub 6 GHz and mmwave range (24 - 44 GHz, with downconverter). Requires the all-band-option (KAB). (software license)	
1.2.2.1.1.8	**TSMA6B-B1T**	**3**
	TSMA6B Hardware-Extension Option: 1 TB storage internally	
	Upgrade to 32 GB RAM	
1.2.2.1.1.9	**TSMA6B-BN2**	**3**
	Mandatory NUC PC HW Option. The TSMA6B will be supplied with Intel Core i5-8365U or better	
1.2.2.1.1.10	**TSMA6B-BP**	**3**
	TSMA6B Battery Pack Unit Includes two rechargeable batteries	
	MNT-BP99WH with capacity 99.4Wh. Battery charging function.	
	Includes DC cable (cigarette lighter plug). Batteries hot-swap support.	
	Compatible with TSMA6 and TSMA6-BP.	
1.2.2.1.1.11	**MNT-BP99WH**	**6**
	TSMA6(B)-BP / FR4 Backpack Battery 99.4 Wh,	
	14.4V, 6.9Ah	
	This smart and rechargeable battery includes a	
	Lithium Ion battery cell and	

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	a Battery Management Module.	
	Protection is provided for over-charge,overdischarge and short circuit.	
	Warranty: 12 months	
1.2.2.1.2	**Antennas & Accessories**	3
1.2.2.1.2.1	**TSME-ZA1**	**3**
	Antenna-mount magnetic, frequency range 380MHz to 6GHz, ProFlex Plus 195 solid cable 3.65 m with mounted SMA connector, model: GMLFML195C, requires antenna emitter TSMW-Zex	
1.2.2.1.2.2	**TSME-ZE17**	**3**
	PCTel Ultrawideband antenna	
	emitter 618-960,1427-1518,	
	1710-2170,2300-2700,3300-4200,	
	4400 - 5000,4900-5985 MHz,	
	0...3 dBi gain, BMLPV5000	
	requires the magnetic mount TSME-ZA1	
1.2.2.1.2.3	**TSMA6-Z1**	**3**
	TSMA6(B) AC Power Supply Uin 90VAC - 264VAC	
	Uout 15VDC / 7A	
	DC connector fits for TSMA6(B) country specific powercord included	
1.2.2.1.2.4	**TSMA6-ZCB2**	**3**
	TSMA6 Carrying Bag for walk testing with TSMA6,	
	TSMA6-BP Battery Pack	
	and one additional TSME6 for MIMO measurements.	
	Includes space for spare batteries, testmobile, antennas and tablet.	
1.2.2.1.2.5	**TSMA6-Z5**	**3**
	Carrying Box for one TSMA6 and accessories	
	410mm x 325mm x 166mm, incl. tailored foam inlet; handle; acc. to MIL-Std-B10F, FED Std-101C,ATA300;	
	Type: B&W Type 40	

ITEM 2		
Item	**Modelo**	**Cant.**
	Descripción	
1	**FIXED STATION REPLACEMENT ESMW/ ADD597**	**1**
1,1	**ESMW Ultra Wideband Monitoring Receiver**	**1**
1.1.1	**ESMW**	**1**
	Ultra Wideband Monitoring Receiver	
	with frequency range from 20 MHz to 6 GHz and 125 MHz real-time bandwidth	
1.1.2	**HS1-HF**	**1**
	HF frequency extension for the frequency range 8 kHz to 32 MHz	
1.1.3	**HS1-MW18**	**1**
	Frequency extension for the frequency range 6 GHz to 18 GHz	
1.1.4	**HS1-AS1**	**1**
	Mandatory option for devices with HS1-MW18	

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1.1.5	**HS1-IF0**	**1**
	Mandatory option for devices with HS1-MW18 or HS1-BW500	
1.1.6	**HS1-PS**	**1**
	Panorama scan option Frequency spectral display	
	for broadband scanning operation (software license)	
1.1.7	**HS1-PC**	**1**
	Polychrome spectrum option	
	Color-coded spectral representation of level vs. frequency to indicate the relative occupancy over time (software license)	
1.1.8	**HS1-IM**	**1**
	ITU measurement option (software license)	
1.1.9	**HS1-GNSS**	**1**
	Internal GNSS option (software license)	
40179	**HS1-DF**	**1**
	Direction finding option without DF antenna (software license)	
40544	**ZZA-411**	**1**
	19" adapter, 4 HU, 1/1 for BW2000 cabinets	
40909	**DDF1C-9**	**1**
	SHF 1-ch. DF antenna cable set, 30 m	
1,2	**ADD597**	**1**
1.2.1	**ADD597**	**1**
	VHF/UHF/SHF wideband DF antenna, 20 MHz to 8.5 GHz,	
	horizontal/vertical, active/passive, for single-channel DF only	
	Color: Light ivory (RAL 1015)	
1.2.2	**ADD-NCP9**	**1**
	Option for ADD597: No compass	
1.2.3	**ADD-LP**	**1**
	Extended lightning protection for DF antennas. For all DF antennas with suitable mechanical design.	
1.2.4	**ADD-MA1**	**1**
	Mast adapter for ADD557SR and ADD597, light ivory (RAL 1015)	
1,3	**ARGUS**	**1**
	R&S® ARGUS Device Driver for class Receiver. Controls one of the following devices: EB500, EM100, ESMD, PR100	
	RX extension of DDF205 and DDF255	
1,4	**ARGUS**	**1**
	R&S® ARGUS Device Driver for class DF. Controls one of the following devices: DDF007, DDF0xAE, DDF1xx, DDF205, DDF255, DDF550, DF ext. of EB500, ESMD	

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