Beneficiary's Schedule Installation Document
of the
ClimSA / Puma2025 Installation by Tecnavia

by

Tecnavia SA
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Dear Beneficiary of the PUMA2025 Station or ClimSA / PUMA2025 Station, following Tecnavia's installation schedule at your premises.

Beneficiary	
Dates of the installation	
Installer	

Schedule Installation

Day 1		
Hours	**Description**	**Remarks**
1	Installation initial meeting to present ourselves and present the week plan and locations of equipment.	1) Decide where to place remote computer and monitors. Verify if you pulled cabling for remote monitors and computers. 2) Verify the position of the antenna cable considering that it now needs to go to the server room and not the forecasters room. 3) Planing the week especially the forecasters presentation and acceptance signing
0.5	Packing check, and cables of remote monitors	Take the packing list from any of the paletts and after opening the pallet verify that each component of the pallet is present
2	unpacking and installing rack	1) Mount table on top of rack and fix with two screws 2) unmount the ATS protection and mount transparent cover. 3) insert if present 2nd UPS and connect battery cable of UPS. Connect the power in/out to the ATS and connect the groundings. 4) Insert battery of LTUPS and connect - and plus pole with battery switch turned off. 5) Attach temperature sensor on battery. 6) Connect front cables of LTUPS to ATS 7) Open each PC to see if everything still in place and mount them on top of the rack 8) tie the PCs with the belt to secure them. 9) Connect the mini dip connectors to hdmi in the video cards 10) connect the KVM cables to the computers (USB,HDMI,audio) 11) Place 1 monitor on rack with keyboard and mouse. 12) Connect novra on rack power,2 x rj45, rf cable (F connector) 13) Connect blue network cables of reception (port 5,6,7,8) port 2 on pci network adapter

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10/08//2024   Page 2 of 7

		14) Connect black network cables of motherboard on switch (port>9) 15) Connect power cable to grid and turn main switch on. 16) Turn battery on and inverter on
1	pull reception coaxial cable from rack to satellite splitter. Verify reception	Take pictures of the antenna and feed before doing any replacement. If the old PUMA is receiving also the new one should start receiving images. Verify the key and license of the EKU is correctly configured
0.5	Connect the system to internet and activate the remote access	Verify with Tecnavia that the connection is working. Ask Tecnavia to start the update of the ClimSA last month archive data. If DHCP enable warn that we cannot configure direct access to other computers.
3	Dish dust removal, LNB changing. Dish pointing	1) First Check signal strength on receiver. 2) measure satellite strength after the splitter and at antenna with the Megasat. 3) Remove LNB and place new LNB 4) Clean feed and brush dish, verify water drain hole is in correct position 5) Verify the signal strength at the antenna on Megasat and receiver 6) Repoint the antenna 7) Verify the signal strength after pointing on Megasat and receiver 8) Clear in tellique statistical values so that you can recheck lost and not corrected packets after one day.

Day 2

Hours	Description	Remarks
1	Evaluation with the beneficiary of the acceptance test document: PROVISIONAL ACCEPTANCE CERTIFICATE FOR FULL DEPLOYMENT	Start filling in the images of the antenna after the lnb replacement and reporting the signal strength levels recorded. Fill in the names of the persons following the technical installation and mark the name of the persons for the acceptance team in first page and

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10/08//2024   Page 3 of 7

	OF PUMA AND CLIMA STATIONS	the one signing the annex 1 and annex 2 acceptance.
1	Computer status overview and troubleshooting	1) Start verifying that the reception has been good for the past day. 2) Check in Tellique statistical values that were reseted the evening before. 3) Verify the Novra receiver if the radio is locked 4) Verify Tellique if the data is flowing and that the license is good 5) Check the status page if packages are flowing in 6) Check the status page if the processing is running
0.5	Upgrading the version of software to latest version if necessary using the internet check for updates process.	Show where you see the version numbers as reference in order to communicate with Tecnavia
0.5	Place remote monitors and remote computers.	pull if possible a power cable to power remote computer from rack.
1	Definition of the products generated and used currently at the premises	Understand with the forecasters the typical products used by them.
0.5	Configuration of network and access from local computers	Report the network configuration in the acceptance test document
2	Skyceiver administrator interface presentation (workstation and products admin users creation)	1) Generate an account for all technical persons 2) Test from terminal the "su username" command 3) show network administration and LAN configuration 4) PUMA reception configuration 5) Climsa Configuration. Activate ClimSA population from archive.
1	EKU Key and other passwords to portals	1) Verify access to Eumetsat portal 2) Activate lighting reception 3) Access api-keys for EUMETDAC 4) Enter ClimSA and register to the 7 sites required by ClimSA for downloading data from

1	The file system structure and reception chain	Show disk usage

Day 3

Hours	Description	Remarks
2	Skyceiver forecaster interface presentation (forecaster users creation)	1) Who is Tecnavia 2) The PUMA2025 objectives 3) User interface to create a visualisation 4) Multiple screen management 5) Open Queue screen 6) Area definition
2	Skyceiver administrator interface recap and other options. UPS , network switch, ATS description and troubleshooting	1) UPS interface explain how to configure to spare energy 2) Remote support interface 3) Config Files 4) Tellique 5) Receiver 6) Network switches
2	Configuration of local product production	See if they need to produce a queue with specific images. Require Tecnavia to configure them
1	Internet configurations option and remote support	Show the 4G USB Tethering functionality and the gateway through the 4G from all computers.
1	Define the spare parts and warranty support procedure and provide all tools to communicate with Tecnavia. Time settings, backups and restore, Replacement procedures what we expect from them. Find out if there is DHL, FedEx or other international shipper. Find out who could be our local lenovo distributor.	Have them install and configure the 3CX

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10/08//2024   Page 5 of 7

Day 4		
Hours	**Description**	**Remarks**
3	Skyceiver forecaster interface definition of screens and display presentations	
1	Climsa workstation introduction	
2	Acceptance test: PROVISIONAL ACCEPTANCE CERTIFICATE FOR FULL DEPLOYMENT OF PUMA AND CLIMA STATIONS	
1	acceptance process for ClimSA	
Day5		
Hours	**Description**	**Remarks**
2	MTG reception and expected changes of images and terrestrial option	
1	EUMETDAC backup in reception or as independent import queue	
3	Miscellaneous based on requirements	