

CNSS Offices, Capacities and locations

| # | CNSS Offices | مراكز ومكاتب الصندوق | Minimum Capacity | Latitude | Longitude |
|----|----------------|----------------------|------------------|-------------------|-------------------|
| 1 | HQ | المركز الرئيسي | 100M | 33.878208 | 35.463674 |
| 2 | Zahle- DR | زحلة | 50M | 33.833466 | 35.906257 |
| 3 | Ashrafiyeh | اشرفية | 6M | 33' 53' 0.93488" | 35' 31' 36.07235" |
| 4 | Badaro | بدارو | 6M | 33' 52' 32.64179" | 35' 31' 3.93325" |
| 5 | Bir Hassan | بئر حسن | 8M | 33' 52' 26.16315" | 35' 29' 36.08813" |
| 6 | Borj Hamoud | برج حمود | 6M | 33' 53' 41.22193" | 35' 32' 23.13172" |
| 7 | Airport | طريق المطار | 12M | 33.845537 | 35.498463 |
| 8 | Saaedi | سعدي | 6M | 33' 52' 38.76347" | 35' 29' 40.88517" |
| 9 | Aley | عاليه | 4M | 33' 48' 28.26869" | 35' 35' 51.581" |
| 10 | Amioun | اميون | 4M | 34' 17' 56.55732" | 35' 48' 40.81417" |
| 11 | Baabdat | بعبدات | 4M | 33' 53' 26.61697" | 35' 40' 14.23435" |
| 12 | Baalbeck | بعلبك | 4M | 34.00005 | 36.194899 |
| 13 | Batroun | بترون | 4M | 34.25083 | 35.66241 |
| 14 | Beit el dine | بيت الدين | 4M | 33' 41' 9.44799" | 35' 34' 40.71554" |
| 15 | Bent Jbeil | بنت جبيل | 4M | 33' 7' 12.85343" | 35' 26' 9.19513" |
| 16 | Bsharreh | بشري | 4M | 34' 14' 56.79928" | 36' 0' 38.62976" |
| 17 | Bteghrine | بتغرين | 4M | 33' 55' 39.61755" | 35' 44' 19.91144" |
| 18 | Chhim | شحيب | 4M | 33' 37' 2.52203" | 35' 29' 20.43436" |
| 19 | Chekka | شكا | 4M | 34' 19' 21.47383" | 35' 43' 34.66625" |
| 20 | Choueifat | شويفات | 6M | 33' 48' 21.99363" | 35' 29' 58.70176" |
| 21 | Halba | حلبا | 4M | 34' 32' 35.18188" | 36' 4' 23.98773" |
| 22 | Hasbaya | حاصبيا | 4M | 33' 23' 59.06688" | 35' 40' 26.34481" |
| 23 | Jbeil | جبيل | 4M | 34.12701 | 35.65194 |
| 24 | Jezzine | جزين | 4M | 33' 32' 34.3779" | 35' 35' 2.10502" |
| 25 | Jounieh | جونية | 6M | 33' 58' 56.44682" | 35' 37' 58.48986" |
| 26 | Nabatieh | نبطية | 6M | 33' 22' 22.36508" | 35' 28' 52.13672" |
| 27 | Ras Baalbeck | راس بعلبك | 4M | 34' 15' 36.41185" | 36' 25' 1.67852" |
| 28 | Saida | صيدا | 6M | 33' 33' 53.77219" | 35' 22' 23.47046" |
| 29 | Tyr | صور | 6M | 33' 16' 20.73776" | 35' 12' 9.5477" |
| 30 | Tebnine | تبنين | 4M | 33' 11' 43.28813" | 35' 24' 34.02481" |
| 31 | Tripoli | طرابلس | 6M | 34' 26' 22.17174" | 35' 50' 16.69384" |
| 32 | Zgharta | زغرتا | 4M | 34' 23' 42.24884" | 35' 53' 42.3587" |
| 33 | Jnah | جناح | 4M | 33.8763617 | 35.4894725 |
| 34 | Dora | دورة | 6M | 33' 53' 46.49348" | 35' 33' 33.3765" |
| 35 | Hermel | هرمل | 4M | 34.39551 | 36.3854 |
| 36 | Hamana | حمانا | 4M | 33' 49' 29.82213" | 35' 44' 6.36163" |
| 37 | Ghazieh | غازية | 4M | 33'30' 55.05552 | 35' 21' 17.90705" |
| 38 | Engeneer"s bld | جناح | 4M | 33.8763617 | 35.4894725 |
| 39 | Marjeyoun | مرجعيون | 4M | 33'21' 40.26" | 35' 35' 30.672" |
| 40 | EDL | الكهرباء | 4M | 33.8958865 | 35.519623 |
| 41 | Rashaiya | راشيا | 4M | | |
| 42 | Deir el ahmar | دير الأحمر | 4M | | |
| 43 | Labweh | لبوة | 4M | | |
| 44 | HQ·Bir Hassan | بئر حسن | 50M | 33'52' 26.16315" | 35' 29' 36.08813" |

جدول رقم واحد مخصص لإعداد وتأمين شبكة اتصالات رئيسية وبديلة خاصة
بالصندوق الوطني للضمان الإجتماعي

Technical Requirements & Scope of Work CNSS WAN -
Wide Area Networks - Activities and Deliverables

The supplier shall rely on the site visit and on the attached "*Annex 2: CNSS Offices, Capacities and Locations*" to determine the final needs of this tender

Scope of Work

1. The provision, installation, configuration and integration of routers and modems into the CNSS.
٢. The provision, installation, configuration of WAN wide area connectivity to all locations of the CNSS.
The provision, installation, configuration of a Network Management Software to be installed at the main location of the CNSS in the "Main Building" in Beirut.
٣. The provision of related on-site support for a period of three years.
٤. Related training.

١. Routers and Modems for the Wide Area Network


The supplier shall provide, install, connect, configure, test, integrate and document the installations of routers and modems that are necessary to connect various CNSS sites together in a wide area network as indicated in the attached "*CNSS Offices, Capacities and Locations*".

For CNSS locations listed in the "*CNSS Offices, Capacities and Locations*", the supplier is responsible for the following:

١. The provision, installation, configuration and integration of routers.
٢. The provision, installation, configuration and integration of modems.
٣. The configuration and integration of all the above-listed equipment with the proposed Network Management Software.

The bidder shall provide full technical details of the proposed routers (if the supplier proposes other than existent routers owned by CNSS), WAN interface for routers and modems including model number and a fully detailed manufacturer catalogue.

For the technical specifications and required quantities of the above-listed equipment, please refer to the attached "*Annex 2: CNSS Offices, Capacities and Locations*". The bidder shall keep in mind that the proposed routers (if the supplier propose other than existent routers owned by CNSS), and other equipment must comply with the wide area connectivity architecture proposed under section "*Wide Area Network Connectivity*" below.


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2. Wide Area Network Connectivity

- A) The supplier shall provide, install, integrate, support, maintain and document wide area connectivity services for a period of twelve months.

Bidders may propose any TCP/IP-based type of connection and connectivity plan (microwave connectivity from a microwave provider, leased line or fiber optic from OGERO or any combination of both, other connectivity solutions - if any) as long as the minimum guaranteed bandwidth performance is maintained between the regional offices and the two central offices (Beirut and Zahle) of the CNSS, and between Beirut and BirHassan location, in accordance with the bandwidth requirements that are specified in the "CNSS Offices, Capacities and Locations".

The solution required is based on a typical "star topology" with all regional offices connected to the "Head Office - Main Building" with a disaster recovery connection to the "Disaster Recovery Site" in Zahle. Typically, the router of a regional office will be connected to one of the 2 redundant, load-balanced routers in the "Head Office - Main Building". If one of the two routers fails, the connection will be automatically rerouted to the redundant "Head Office - Main Building" router. If both routers in the "Head Office - Main Building" are not responding, the connection will be rerouted automatically to the "Disaster Recovery Site" in Zahle.

Additionally, DSL modems (if available, or GSM network) in regional routers must be configured to DSL modems in the "Head Office - Main Building" when all other connections of the service provider fail and to the "Disaster Recovery Site" if the "Head Office - Main Building" modems are down.

New HWIC cards to be added to the existing routers in order to support the DSL connectivity as back-up.

Two types of fees are allowed: one-time installation charges (2.1) and recurrent monthly fees (2.2).


The interconnectivity between the branches and HQ must be established over a reliable backbone with multiple routes in greater Beirut and towards all regional areas, and to provide a network layout showing the multiple redundant routes.

Service provider shall provide an MPLS VPN-L3/L2 to deliver a dedicated Virtual Private routed network in a full meshed topology.

Service provider shall install a Microwave link on the Head Quarter with 5 ms delay average to the first hop, also delay from branch shall not exceed as 10 ms average. Implementation and commissioning of all sites should be done in one month, and shall perform a connectivity test between all branches before the migration from existing provider, and to keep the same existing IP Addressing plan of current network without any changes from CNSS side.

The Bidder should provide a reference list for at least 5 corporate customers and government entities with more than 30 branches interconnections.

- B) The supplier shall provide, install, configure and integrate a central network management system that will be located in the "Main Building" in Beirut. The network management software will be installed on a virtual machine server provided by CNSS.


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The network management system shall be capable of graphically configuring and monitoring all equipment that will be connected to the CNSS WAN. This includes routers, modems, switches, PCs, servers, network printers, UPS's as well as other devices with SNMP capabilities. The network management system must be able to issue periodical reports (daily, weekly, monthly, other configurations) that show how a particular device or connection is faring.

The bidder shall provide full technical details of the proposed software, including proposed modules with their respective pricing and functionalities.

2.1 One-time Installation Charges

The one-time installation charges for each connection must include the following:

١. Cost of installation of leased equipment (aerials, indoor units and other components that are required for the wide area connectivity solution described above).
٢. Cost of installation of physical connection between leased equipment and LAN equipment (e.g. connection between main network cabinet containing Router and OGERO's distribution box and/or connection between provider's aerial/indoor unit and main network cabinet, etc..
٣. all costs related to the installation of the redundant disaster recovery solution.
٤. all costs that are related to the installation, configuration, testing and Commissioning of routers and DSL modems.
٥. All other costs necessary for the integration of equipment (main and backup connections) with the LAN and the WAN (for the delivery of a fully working connection) and with the proposed network management software.
٦. The full testing, commissioning and functional certification of wide area network connectivity.
٧. Cost of provision, installation of the network management software.

The bidder must keep in mind that payment of these one-time installation charges will occur after the installation and acceptance of a site, as detailed in section 5 below.

2.2 Recurrent Monthly Fees

The recurrent monthly price of the connectivity of each site must include the following:

١. the leasing of all equipment that is required for this activity with the exception of existent routers that are specified in the " *CNSS Offices, Capacities and Locations*".
٢. unlimited and dedicated bandwidth usage.
٣. guaranteed service and maintenance on leased and purchased equipment to ensure that no connection will be down for more than 2 hours in the Greater Beirut area, 4 hours in regional centers (Jounieh, Saida, Sour, Tripoli, Zahle....) and 8 hours in the remaining CNSS offices (refer to service level agreement (SLA) section 2.3 below).

Bidders must keep in mind that recurrent monthly fees will be paid starting with the activation of a service for a site

2.3 Service Level Agreement


The service provider must sign a service level agreement that ensures that the following minimum requirements are met:

1. A support technician must be on site in the central CNSS locations as well as in all the offices listed in the "Annex 2: CNSS Offices, Capacities and Locations" as being within the Greater Beirut area within two hours of a problem/service call.
2. A support technician must be on site in Jounieh, Saida, Sour, Tripoli and Zahle within 4 hours of a problem/service call.
3. A support technician must be on site in all other regional centers within 8 hours of a problem/service call.
4. All connectivity service interruptions within the Greater Beirut area must be restored to a fully functioning state within 4 hours (full rated speed for the connection, not the backup solution or speed) of a problem/service call.
5. All connectivity service interruptions for Jounieh, Saida, Sour, Tripoli, Zahle must be restored to a fully functioning state within 6 hours (full rated speed for the connection, not the backup solution or speed) of a problem/service call.
6. All connectivity service interruptions for all other regional centers must be restored to a fully functioning state within 10 hours (full rated speed for the connection, not the backup solution or speed) of a problem/service call.
7. The backup solution must kick in automatically and must carry the service at the rated backup speed until full connectivity is restored.
8. A connection between any regional center and the central location in Beirut cannot be down for more than a grand total of 10 working hours per month, starting with the time of a service call (renewable monthly).

The service provider of this project is fully responsible for the running, maintenance and support of all the components of all proposed connectivity operations. The service provider may not shift the blame on a co-service provider /subcontractor/ partner (e.g. company X did not fix hardware problem on time) and as such accepts full responsibility for any service interruption.

2.4 Failure of connectivity services for periods that are longer than the ones mentioned above will result in the following:

1. Monthly charges will be reduced by 10% for each hour (or portion thereof) of interruption.
2. No monthly payment will be made if service interruptions for a particular site total more than 10 hours per month.


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The service provider and the CNSS will rely on figures provided by reports that are issued by the network management software to determine the hours of interruption of each service and the monthly payment due for each connection.

2.5 Documentation

Bidders must provide with their bid a map of Lebanon and a chart that clearly show the connectivity plan that they are proposing. The map and the accompanying chart shall contain the following details:

1. Location and name of site on map (Latitude & Longitude).
2. clearly indicated routes for and between each of the CNSS locations;
3. Type of connection between each location (leased line, microwave, other).
4. Provider of connection (OGERO, microwave provider, other).
5. list, description and specifications of leased equipment for each location (Including backup equipment).
6. Description and specifications of router purchased for each location (if any).
7. Bandwidth speed for each location.
8. Other relevant information that may affect the proposed connectivity plan (if any).

3. On-Site Support

The supplier shall be responsible for user support issues for a period of twelve months starting on the first day of the first month following the signature of the contract. For this activity, the supplier shall provide support technicians from 8 Am to 3 Pm. Monday to Friday (may work remotely). The support technicians shall also be on call for emergencies outside of these hours and for the "Head Office - Main Building" in Beirut and the other at the "Disaster Recovery Site" in Zahle.

The support engineer or technicians shall coordinate on daily basis with IT department of CNSS in order to perform The following list of responsibilities:

1. The administration of the network (described in section 3.1 below).
2. Troubleshooting and problem solving (section 3.2).
3. User support and guidance (section 3.3).
4. Capacity building and transfer of knowledge (section 3.4).

The Support engineer or technicians must be self-motorized and equipped with an appropriate set of tools (screwdrivers, crimping tools, electrical and network testing equipment, patch cords, etc.) that allows them to carry their duties. The assigned support engineer or technicians must also carry and provide a cellular telephone number for communication during emergencies that occur inside or outside of the regular working hours mentioned above.

3.1 Administration of the Network

The Support engineer or technicians shall be responsible for the administration of the network. Duties include:

- a) Ensuring that the CNSS WAN is always up and running.
- b) Installing and configuring hardware and software that is related to the CNSS WAN.

- c) Monitoring network performance by using the network management software and other tools that were purchased or leased for this project.
- d) Performing backup and restore duties.
- e) Performing maintenance routines (as needed with a minimum of one monthly routine) to ensure that connectivity is in optimal shape.
- f) issuing monthly maintenance reports in coordination with the CNSS To keep track of the behavior of the wide area network.

3.2 Troubleshooting and Problem Solving

The assigned engineer or technicians shall be responsible for the troubleshooting of all network components and networking equipment. The technician shall determine the nature of the problem (software or hardware) and shall take the necessary measures to correct it as needed by the service level agreement.

The engineer or technicians shall keep a running history of the problems in an electronic database (bidders may propose ready-made software packages as long as they are developed using a commonly-used relational database and as long as all necessary software licenses are provided along with the software).

The database shall include fields and shall be able to issue reports that specify the date and time of the problem and of the solution, as well as a short description of the problem and of the solution provided. The database is and will always remain the property of the CNSS.

3.3 User Support and Guidance

The assigned engineer or technicians shall complement the formal training of CNSS WAN users with informal sessions that users may request at any time and that will take place during normal working hours.

3.4 Capacity Building and Transfer of Knowledge

The assigned engineer shall keep in mind that several CNSS WAN staff members will be trained to assume their functions and responsibilities. To ensure a smooth transition, the technician shall:

- a) coach them and assist them with the practical implementation of their newly acquired skills.
- b) write and submit a final assessment report to the CNSS of their performance and their state of readiness, 11 months after the signature of the contract.


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3.5 Support Technician(s): Required Profile

Bidders shall submit the CV (for a minimum of 5 different engineers) as well as a copy of the certifications of prospective support technicians. The following qualifications are required:

- a) Certificate of an engineer diploma with minimum 5 years of expertise each.
- b) Certificate of beneficiary from CNSS (must be provided from CNSS) with at least 5 years of subscription in to CNSS.
- c) Advanced knowledge in the configuration of routers and communication protocols proposed for this bid.
- d) Advanced knowledge of proposed network management software including full knowledge of the reporting facilities of the package.
- e) Good oral communication skills, pleasant personality, willing to perform all networking related tasks.
- f) Successful completion of one of the CCNA/CCNP/CCIE track.

4. Training

The supplier is responsible for providing training covering the installation, configuration and troubleshooting of the proposed routers and the proposed network management system for five staff members (grouped in one class). The following two courses are the minimum required:


1. Installation, configuration and troubleshooting of proposed routers (12-hour minimum equal to two full days of training).
2. Installation, configuration, troubleshooting, integration, running and maintenance of the network management software (12-hour minimum equal to two full days of training).

The bidder shall submit outlines for each of the two courses that include selected sections of the required training manuals and indicative practice exercises as well as a tentative training schedule.

Following training, the trainer shall issue completion certificates to all trainees that have successfully completed the course. The trainer shall also submit to the CNSS a report rating the attendance and the performance of the trained staff members. Training and reports must be finished within five months of the signature of the contract.

4.1 Schedule of Delivery, Testing and Acceptance

Below is the schedule of delivery of the activities of this project. The CNSS will test each delivered component in accordance with the specifications set in this document and in the technical specification sheets. The CNSS will issue acceptance reports after the full delivery, installation, configuration and integration of the various components and activities.


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4.2 Acceptance Reports

The acceptance reports cover all activities needed for the activation of a wide area network connection, technical support, the installation, integration and activation of the network management software as well as all related training courses.

The related acceptance reports will be issued in the following order:


For one-time installation charges:

1. Report I - five days after the completion of works and activities (including wide area connectivity, the network management software and all training) in the "Head Office - Main Building" in Beirut and the "Disaster Recovery Site" in Zahle and the backup site Birhassan.
2. Report II - five days after the completion of works and activities in the first ten regional sites.
3. Report III - five days after the completion of works and activities in the second ten regional sites.
4. Report IV - five days after the completion of works and activities in the third ten regional sites.
5. Report V - five days after the completion of works and activities in the remaining regional sites.
6. Report VI - ten days after the full installation of on-site support.

5. For recurrent charges - technical support.

For recurrent charges - monthly connectivity charges:

These will be paid monthly in accordance with the connectivity reports generated by the network management software.


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CNSS Offices, Capacities and locations

CNSS WAN Existent Hardware & Quantities

| # | CNSS Offices | مراكز ومكاتب الصندوق | Minimum Capacity | Router | Quantity |
|----|---------------|----------------------|------------------|------------|----------|
| 1 | HQ | المركز الرئيسي | 100M | Cisco 2821 | 2 |
| 2 | Zahle- DR | زحلة | 50M | Cisco 2821 | 1 |
| 3 | Ashrafieh | أشرفية | 6M | Cisco 2821 | 1 |
| 4 | Badaro | بدارو | 6M | Cisco 2821 | 1 |
| 5 | Bir Hassan | بئر حسن | 8M | Cisco 2821 | 1 |
| 6 | Borj Hamoud | برج حمود | 6M | Cisco 2821 | 1 |
| 7 | Airport | طريق المطار | 12M | Cisco 2821 | 1 |
| 8 | Saaedi | سعدي | 6M | Cisco 2821 | 1 |
| 9 | Aley | عاليه | 4M | Cisco 2821 | 1 |
| 10 | Amioun | اميون | 4M | Cisco 2821 | 1 |
| 11 | Baabdat | بعبدات | 4M | Cisco 2821 | 1 |
| 12 | Baalbeck | بعلبك | 4M | Cisco 2821 | 1 |
| 13 | Batroun | بترون | 4M | Cisco 2821 | 1 |
| 14 | Beit el dine | بيت الدين | 4M | Cisco 2821 | 1 |
| 15 | Bent Jbeil | بنت جبيل | 4M | Cisco 2821 | 1 |
| 16 | Bsharreh | بشري | 4M | Cisco 2821 | 1 |
| 17 | Bteghrine | بتغرين | 4M | Cisco 2821 | 1 |
| 18 | Chhim | شحيم | 4M | Cisco 2821 | 1 |
| 19 | Chekka | شكا | 4M | Cisco 2821 | 1 |
| 20 | Choueifat | شويفات | 6M | Cisco 2821 | 1 |
| 21 | Halba | حلبا | 4M | Cisco 2821 | 1 |
| 22 | Hasbaya | حاصبيا | 4M | Cisco 2821 | 1 |
| 23 | Jbeil | جبيل | 4M | Cisco 2821 | 1 |
| 24 | Jezzine | جزين | 4M | Cisco 2821 | 1 |
| 25 | Jounieh | جونية | 6M | Cisco 2821 | 1 |
| 26 | Nabatieh | نبطية | 6M | Cisco 2821 | 1 |
| 27 | Ras Baalbeck | راس بعلبك | 4M | Cisco 2821 | 1 |
| 28 | Saida | صيدا | 6M | Cisco 2821 | 1 |
| 29 | Tyr | صور | 6M | Cisco 2821 | 1 |
| 30 | Tebnine | تبنين | 4M | Cisco 2821 | 1 |
| 31 | Tripoli | طرابلس | 6M | Cisco 2821 | 1 |
| 32 | Zgharta | زغرتا | 4M | Cisco 2821 | 1 |
| 33 | Jnah | جناح | 4M | Cisco 2821 | 1 |
| 34 | Ghobeiry | غبيري | 6M | Cisco 2821 | 1 |
| 35 | Dora | دورة | 6M | Cisco 2821 | 1 |
| 36 | Hermel | هرمل | 4M | Cisco 2821 | 1 |
| 37 | Hamana | حمانا | 4M | Cisco 2821 | 1 |
| 38 | Ghazieh | غازية | 4M | Cisco 2821 | 1 |
| 39 | Jnah | جناح/نقابة المهندسين | 4M | Cisco 2821 | 1 |
| 40 | Marjeyoun | مرجعيون | 4M | Cisco 2821 | 1 |
| 41 | EDL | الكهرباء | 4M | Cisco 2821 | 1 |
| 42 | Rashaiya | راشيا | 4M | | |
| 43 | Deir el ahmar | دير الأحمر | 4M | | |
| 44 | Labweh | ليوة | 4M | | |

ملحق رقم واحد مخصص لإعداد وتأمين شبكة اتصالات رئيسية وبديلة خاصة
بالصندوق الوطني للضمان الإجتماعي



CNSS Offices, Capacities and locations

ربط مراكز الصندوق مع المركز الرئيسي عبر شبكة الاتصالات الخاصة بالملتزم CNSS WAN Inter-Nodes

| # | CNSS Offices | مراكز ومكاتب الصندوق | Minimum Capacity | Nodes: Locations and types (Main, repeater, ...) | | | | | | | | الحد الأقصى لعدد نقاط الربط |
|----|----------------|----------------------|------------------|--|------|------|------|------|------|------|------|-----------------------------|
| | | | | Node | Node | Node | Node | Node | Node | Node | Node | |
| 1 | HQ | المركز الرئيسي | 100M | | | | | | | | | 1 |
| 2 | Zahle- DR | زحلة | 50M | | | | | | | | | 6 |
| 3 | Ashrafieh | أشرفية | 6M | | | | | | | | | 10 |
| 4 | Badaro | بدارو | 6M | | | | | | | | | 12 |
| 5 | Bir Hassan | بئر حسن | 8M | | | | | | | | | 8 |
| 6 | Borj Hamoud | برج حمود | 6M | | | | | | | | | 1 |
| 7 | Airport | طريق المطار | 12M | | | | | | | | | 1 |
| 8 | Saaedi | سعيدى | 6M | | | | | | | | | 1 |
| 9 | Aley | عاليه | 4M | | | | | | | | | 2 |
| 10 | Amioun | اميون | 4M | | | | | | | | | 5 |
| 11 | Baabdat | بعبدات | 4M | | | | | | | | | 4 |
| 12 | Baalbeck | بعلبك | 4M | | | | | | | | | 6 |
| 13 | Batroun | بترون | 4M | | | | | | | | | 5 |
| 14 | Beit el dine | بيت الدين | 4M | | | | | | | | | 6 |
| 15 | Bent Jbeil | بنت جبيل | 4M | | | | | | | | | 1 |
| 16 | Bsharreh | بشري | 4M | | | | | | | | | 3 |
| 17 | Bteghrine | بتغرين | 4M | | | | | | | | | 5 |
| 18 | Chhim | شعيم | 4M | | | | | | | | | 6 |
| 19 | Chekka | شكا | 4M | | | | | | | | | 4 |
| 20 | Choueifat | شوفيات | 6M | | | | | | | | | 4 |
| 21 | Halba | حلبا | 4M | | | | | | | | | 7 |
| 22 | Hasbaya | حاصبيا | 4M | | | | | | | | | 5 |
| 23 | Jbeil | جبيل | 4M | | | | | | | | | 4 |
| 24 | Jezzine | جزين | 4M | | | | | | | | | 5 |
| 25 | Jounieh | جونية | 6M | | | | | | | | | 6 |
| 26 | Nabatieh | نبطية | 6M | | | | | | | | | 7 |
| 27 | Ras Baalbeck | راس بعلبك | 4M | | | | | | | | | 7 |
| 28 | Saida | صيدا | 6M | | | | | | | | | 7 |
| 29 | Tyr | صور | 6M | | | | | | | | | 5 |
| 30 | Tebnine | تبنين | 4M | | | | | | | | | 7 |
| 31 | Tripoli | طرابلس | 6M | | | | | | | | | 10 |
| 32 | Zgharta | زغرتا | 4M | | | | | | | | | 6 |
| 33 | Jnah | جناح | 4M | | | | | | | | | 7 |
| 34 | Dora | دورة | 6M | | | | | | | | | 5 |
| 35 | Hermel | هرمل | 4M | | | | | | | | | 5 |
| 36 | Hamana | حماتا | 4M | | | | | | | | | 6 |
| 37 | Ghazieh | غازية | 4M | | | | | | | | | 6 |
| 38 | Jnah | جناح/نقابة المهندسين | 4M | | | | | | | | | 6 |
| 39 | Marjeyoun | مرجعيون | 4M | | | | | | | | | 6 |
| 40 | EDL | الكهرباء | 4M | | | | | | | | | 6 |
| 41 | Rashaiya | راشيا | 4M | | | | | | | | | 6 |
| 42 | Deir el ahmar | دير الأحمر | 4M | | | | | | | | | 6 |
| 43 | Labweh | لبوة | 4M | | | | | | | | | 6 |
| 44 | HQ: Bir Hassan | الرئيسي - بئر حسن | 50M | | | | | | | | | 1 |

المُلحق رقم (٢)

تصريح / تعهد

للإشتراك في المناقصة العمومية لتلزم تأمين الشبكة الرئيسية والبديلة Wan
Connectivity Service وصيانة أجهزتها HW support في الصندوق الوطني

للضمان الإجتماعي

أنا الموقع ادناه

الممثل بالتوقيع عن مؤسسة/شركة

المتخذ لي محل اقامة.....منطقة.....

حي.....شارع.....ملك.....

رقم الهاتف.....، مكتب..... فاكس

اعترف بانني اطلعت على دفتر الشروط المتضمن التعهد، الشروط الادارية والفنية الخاصة للاشتراك في هذا التلزم التي تسلمت نسخة عنها.

واصرح انني وبعد الاطلاع على هذه المستندات التي لا يمكن باي حال الادعاء بتجاهلها وعلى تفاصيل الاعمال المطلوبة، اتعهد بقبول كافة الشروط المبينة فيها وبالتقيد بها وتنفيذها كاملة دون أي نوع من انواع التحفظ او الاستدراك.

وأنتني تقدمت لهذا الإلتزام للإشتراك في المناقصة العمومية لتلزم تأمين الشبكة الرئيسية والبديلة Wan Connectivity Service وصيانة أجهزتها HW support في الصندوق الوطني للضمان الإجتماعي

كما اصرح بانني وضعت الاسعار و قبلت الاحكام المدرجة في دفتر الشروط هذا آخذاً بعين الاعتبار كل شروط التلزم ومصاعب تنفيذه في حال وجوده.

كما أتعهد برفع السرية المصرفية عن الحساب المصرفي الذي يودع فيه أو ينتقل إليه أي مبلغ من المال العام، وذلك لمصلحة الإدارة في كل عقد من أي نوع كان، يتناول مالياً عاماً.

التاريخ

ختم وتوقيع العارض

طوابع بقيمة
مليون ليرة

الملحق رقم (٣)

تصريح النزاهة^٧

عنوان الصفقة:

الجهة المتعاقدة:

اسم العارض / المفوض بالتوقيع عن الشركة:

إسم الشركة:

نحن الموقعون أدناه نؤكد ما يلي:

1. ليس لنا، أو لموظفينا، أو شركائنا، أو وكلائنا، أو المساهمين، أو المستشارين، أو أقاربهم، أي علاقات قد تؤدي إلى تضارب في المصالح بموضوع هذه الصفقة.
 2. سنقوم بإبلاغ هيئة الشراء العام وإدارة الصندوق الوطني للضمان الإجتماعي في حال حصول أو اكتشاف تضارب في المصالح.
 3. لم ولن نقوم، ولا أي من موظفينا، أو شركائنا، أو وكلائنا، أو المساهمين، أو المستشارين، أو أقاربهم، بممارسات احتيالية أو فاسدة، أو قسرية أو مُعرقلة في ما يخص عرضنا أو اقتراحنا.
 4. لم نقدم، ولا أي من شركائنا، أو وكلائنا، أو المساهمين، أو المستشارين، أو أقاربهم، على دفع أي مبالغ للعاملين، أو الشركاء، أو للموظفين المشاركين بعملية الشراء بالنيابة عن الجهة المتعاقدة، أو لأي كان.
 5. في حال مخالفتنا لهذا التصريح والتعهد، لن نكون مؤهلين للمشاركة في أي صفقة عمومية أيّاً كان موضوعها ونقبل سلفاً بأي تدبير إقصاء يُؤخذ بحقنا ونتعهد بملء إرادتنا بعدم المنازعة بشأنه.
- إن أي معلومات كاذبة تُعرضنا للملاحقة القضائية من قبل المراجع المختصة.







التاريخ:

الختم والتوقيع

^٧ - يُرفق هذا التصريح بالعرض

الملحق رقم (٤)
كتاب ضمان العرض

مصرف
لجانb الصندوق الوطني للضمان الإجتماعي

الموضوع : كتاب ضمان العرض لصالحكم بقيمة / فقط، بناء للأمر السيد.....
وذلك للإشتراك في المناقصة العمومية لتزيم تأمين الشبكة الرئيسية والبديلة Wan Connectivity Service
وصيانة أجهزتها HW support في الصندوق الوطني للضمان الإجتماعي
ان مصرف مركزه.....، الممثل بالسيد
الموقع عنه أدناه وذلك بصفته، وبناء للأمر السيد (او السادة
..... أو الشركة)،
يتعهد بصورة شخصية غير قابلة للنقض او للرجوع عنها بأن يدفع نقداً وفوراً دون أي قيد او شرط أي مبلغ
تطالبونه به حتى حدود (تحديد القيمة والعملة بالارقام والاحرف)..... نقداً
وذلك عند اول طلب منكم بموجب كتاب صادر وموقع منكم دون أي موجب لبيان اسباب هذه المطالبة.

وعليه يقر مصرفنا صراحة بأن كتاب الضمان هذا قائم بذاته ومستقل كلياً عن أي ارتباط او عقد بينكم وبين الأمر
السيد (او السادة او الشركة) وبانه لا يحق لمصرفنا
في أي حال من الاحوال ولا في أي وقت كان الامتناع او تأجيل تأدية أي مبلغ قد تطالبوننا به بالاستناد الى كتاب
الضمان هذا . كما يتنازل مصرفنا مسبقاً عن أي حق في المناقشة او في الاعتراض على طلب الدفع الذي يصدر
عنكم او عن أي مسؤول لديكم ، او حتى ان يقبل أي اعتراض قد يصدر عن السيد (او
السادة او الشركة) او عن غيره (او غيرهم او غيرها) بشأن دفع المبلغ اليكم
بناء لطلبكم.

يبقى كتاب الضمان هذا معمولاً به لغاية
ان تبلغونا اعفاءنا منه.

ان كل قيمة تدفع من مصرفنا بالاستناد الى كتاب الضمان هذا بناء لطلبكم، يخفض المبلغ الاقصى المحدد فيه بذات
المقدار.

يخضع كتاب الضمان هذا للقوانين اللبنانية ولصلاحيات المحاكم المختصة في لبنان >

وتنفيذاً منا لهذا الموجب نتخذ لنا محل اقامة في مركز مؤسستنا في
١٩

المكان :
الصفة :
الاسم :
التوقيع :

الملحق رقم (٥)

العائد للمناقصة العمومية لتلزم تأمين

الشبكة الخاصة الرئيسية والبديلة وصيانة أجهزتها في الصندوق

الوطني للضمان الإجتماعي لمدة ثلاث سنوات .

بيان الأسعار

| النوع | الكمية | السعر الإفرادي شامل TVA | | السعر الإجمالي شامل TVA | |
|-------|--------|-------------------------|---------|-------------------------|---------|
| | | بالأرقام | بالحروف | بالأرقام | بالحروف |
| | | | | | |

ملحق رقم (٥) العائد للمناقصة العمومية لتلزييم وتأمين شبكة اتصالات رئيسية وبديلة خاصة
بالصندوق الوطني للضمان الإجتماعي وصيانة أجهزتها



CNSS Offices, Capacities and locations

CNSS WAN Existent Hardware & Quantities

| # | CNSS Offices | مراكز ومكاتب الصندوق | Minimum Capacity | Router | Quantity | التكلفة الشهرية شامل tva بالأرقام | التكلفة السنوية شامل tva بالأرقام |
|----|---------------|----------------------|------------------|------------|----------|-----------------------------------|-----------------------------------|
| 1 | HQ | المركز الرئيسي | 100M | Cisco 2821 | 2 | | |
| 2 | Zahle- DR | زحلة | 50M | Cisco 2821 | 1 | | |
| 3 | Ashrafieh | أشرفية | 6M | Cisco 2821 | 1 | | |
| 4 | Badaro | بدارو | 6M | Cisco 2821 | 1 | | |
| 5 | Bir Hassan | بئر حسن | 8M | Cisco 2821 | 1 | | |
| 6 | Borj Hamoud | برج حمود | 6M | Cisco 2821 | 1 | | |
| 7 | Airport | طريق المطار | 12M | Cisco 2821 | 1 | | |
| 8 | Saaedi | سعيدية | 6M | Cisco 2821 | 1 | | |
| 9 | Aley | عالية | 4M | Cisco 2821 | 1 | | |
| 10 | Amioun | اميون | 4M | Cisco 2821 | 1 | | |
| 11 | Baabdat | بعبدات | 4M | Cisco 2821 | 1 | | |
| 12 | Baalbeck | بعلبك | 4M | Cisco 2821 | 1 | | |
| 13 | Batroun | بترون | 4M | Cisco 2821 | 1 | | |
| 14 | Beit el dine | بيت الدين | 4M | Cisco 2821 | 1 | | |
| 15 | Bent Jbeil | بنت جبيل | 4M | Cisco 2821 | 1 | | |
| 16 | Bsharreh | بشري | 4M | Cisco 2821 | 1 | | |
| 17 | Bteghrine | بتغرين | 4M | Cisco 2821 | 1 | | |
| 18 | Chhim | شحيم | 4M | Cisco 2821 | 1 | | |
| 19 | Chekka | شكا | 4M | Cisco 2821 | 1 | | |
| 20 | Choueifat | شويقات | 6M | Cisco 2821 | 1 | | |
| 21 | Halba | حلبا | 4M | Cisco 2821 | 1 | | |
| 22 | Hasbaya | حاصبيا | 4M | Cisco 2821 | 1 | | |
| 23 | Jbeil | جبيل | 4M | Cisco 2821 | 1 | | |
| 24 | Jezzine | جزين | 4M | Cisco 2821 | 1 | | |
| 25 | Jounieh | جونية | 6M | Cisco 2821 | 1 | | |
| 26 | Nabatieh | نبطية | 6M | Cisco 2821 | 1 | | |
| 27 | Ras Baalbeck | راس بعلبك | 4M | Cisco 2821 | 1 | | |
| 28 | Saida | صيدا | 6M | Cisco 2821 | 1 | | |
| 29 | Tyr | صور | 6M | Cisco 2821 | 1 | | |
| 30 | Tebnine | تبنين | 4M | Cisco 2821 | 1 | | |
| 31 | Tripoli | طرابلس | 6M | Cisco 2821 | 1 | | |
| 32 | Zgharta | زغرتا | 4M | Cisco 2821 | 1 | | |
| 33 | Jnah | جناح | 4M | Cisco 2821 | 1 | | |
| 34 | Ghobeiry | غبيري | 6M | Cisco 2821 | 1 | | |
| 35 | Dora | دورة | 6M | Cisco 2821 | 1 | | |
| 36 | Hermel | هرمل | 4M | Cisco 2821 | 1 | | |
| 37 | Hamana | حمانا | 4M | Cisco 2821 | 1 | | |
| 38 | Ghazieh | غازية | 4M | Cisco 2821 | 1 | | |
| 39 | Jnah | جناح/نقابة المهندسين | 4M | Cisco 2821 | 1 | | |
| 40 | Marjeyoun | مرجعيون | 4M | Cisco 2821 | 1 | | |
| 41 | EDL | الكهرباء | 4M | Cisco 2821 | 1 | | |
| 42 | Rashaiya | راشيا | 4M | | | | |
| 43 | Deir el ahmar | دير الأحمر | 4M | | | | |
| 44 | Labweh | لبوة | 4M | | | | |

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| المجموع شامل tva بالحروف لمدة سنة | |
| المجموع شامل tva بالأرقام لمدة سنة | |
| المجموع شامل tva لمدة ثلاث سنوات /بالحروف والأرقام | |

مبارك

ملحق رقم (٥) العائد للمناقصة العمومية لتلزم تأمين شبكة اتصالات رئيسية وبديلة خاصة
بالصندوق الوطني للضمان الاجتماعي

CNSS Offices, Capacities and locations



ربط مراكز الصندوق مع المركز الرئيسي عبر شبكة الاتصالات الخاصة بالملزم CNSS WAN Inter-Nodes

| # | CNSS Offices | مراكز ومكاتب الصندوق | Minimum Capacity | Nodes: Locations and types(Main, repeater,...) | | | | | | | الحد الأقصى لعدد نقاط الربط | التكلفة الشهرية tva شامل بالأرقام | التكلفة السنوية tva شامل بالأرقام |
|----|----------------|----------------------|------------------|--|------|------|------|------|------|------|-----------------------------|-----------------------------------|-----------------------------------|
| | | | | Node | Node | Node | Node | Node | Node | Node | | | |
| 1 | HQ | المركز الرئيسي | 100M | | | | | | | | 1 | | |
| 2 | Zahle- DR | زحلة | 50M | | | | | | | | 6 | | |
| 3 | Ashrafieh | اشرفية | 6M | | | | | | | | 10 | | |
| 4 | Badaro | بدارو | 6M | | | | | | | | 12 | | |
| 5 | Bir Hassan | بئر حسن | 8M | | | | | | | | 8 | | |
| 6 | Borj Hamoud | برج حمود | 6M | | | | | | | | 1 | | |
| 7 | Airport | طريق المطار | 12M | | | | | | | | 1 | | |
| 8 | Saaedi | سمعيدي | 6M | | | | | | | | 1 | | |
| 9 | Aley | عاليه | 4M | | | | | | | | 2 | | |
| 10 | Amioun | اميون | 4M | | | | | | | | 5 | | |
| 11 | Baabdat | بعبدات | 4M | | | | | | | | 4 | | |
| 12 | Baalbeck | بعلبك | 4M | | | | | | | | 6 | | |
| 13 | Batroun | بترون | 4M | | | | | | | | 5 | | |
| 14 | Beit el dine | بيت الدين | 4M | | | | | | | | 6 | | |
| 15 | Bent Jbeil | بنت جبيل | 4M | | | | | | | | 1 | | |
| 16 | Bsharreh | بشري | 4M | | | | | | | | 3 | | |
| 17 | Bteghrine | بتغرين | 4M | | | | | | | | 5 | | |
| 18 | Chhim | شحيم | 4M | | | | | | | | 6 | | |
| 19 | Chekka | شكا | 4M | | | | | | | | 4 | | |
| 20 | Choueifat | شوفيات | 6M | | | | | | | | 4 | | |
| 21 | Halba | حلبا | 4M | | | | | | | | 7 | | |
| 22 | Hasbaya | حاصبيا | 4M | | | | | | | | 5 | | |
| 23 | Jbeil | جبيل | 4M | | | | | | | | 4 | | |
| 24 | Jezzine | جزين | 4M | | | | | | | | 5 | | |
| 25 | Jounieh | جونية | 6M | | | | | | | | 6 | | |
| 26 | Nabatieh | نبطية | 6M | | | | | | | | 7 | | |
| 27 | Ras Baalbeck | راس بعلبك | 4M | | | | | | | | 7 | | |
| 28 | Saida | صيدا | 6M | | | | | | | | 7 | | |
| 29 | Tyr | صور | 6M | | | | | | | | 5 | | |
| 30 | Tebnine | تبنين | 4M | | | | | | | | 7 | | |
| 31 | Tripoli | طرابلس | 6M | | | | | | | | 10 | | |
| 32 | Zgharta | زغرتا | 4M | | | | | | | | 6 | | |
| 33 | Jnah | جناح | 4M | | | | | | | | 7 | | |
| 34 | Dora | دورة | 6M | | | | | | | | 5 | | |
| 35 | Hermel | هرمل | 4M | | | | | | | | 5 | | |
| 36 | Hamana | حمانا | 4M | | | | | | | | 6 | | |
| 37 | Ghazieh | غازية | 4M | | | | | | | | 6 | | |
| 38 | Jnah | جناح/نقابة المهندسين | 4M | | | | | | | | 6 | | |
| 39 | Marjeyoun | مرجعيون | 4M | | | | | | | | 6 | | |
| 40 | EDL | الكهرباء | 4M | | | | | | | | 6 | | |
| 41 | Rashaiya | راشيا | 4M | | | | | | | | 6 | | |
| 42 | Deir el ahmar | دير الأحمر | 4M | | | | | | | | 6 | | |
| 43 | Labweh | لبوة | 4M | | | | | | | | 6 | | |
| 44 | HQ- Bir Hassan | الرئيسي - بئر حسن | 50M | | | | | | | | 1 | | |

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| المجموع شامل tva بالحروف لمدة سنة | |
| المجموع شامل tva بالأرقام لمدة سنة | |
| المجموع شامل tva لمدة ثلاث سنوات /بالحروف والأرقام | |

د

ع

ملحق رقم (٥) العائد للمناقصة العمومية لتأميم شبكة اتصالات رئيسية وبديلة خاصة
بالصندوق الوطني للضمان الإجتماعي



CNSS Offices, Capacities and locations

| # | CNSS Offices | مراكز ومكاتب الصندوق | Minimum Capacity | Latitude | Longitude | التكلفة الشهرية شامل tva بالأرقام | التكلفة السنوية شامل tva بالأرقام |
|----|----------------|-------------------------|---------------------|-------------------|-------------------|--------------------------------------|--------------------------------------|
| 1 | HQ | المركز الرئيسي | 100M | 33.878208 | 35.463674 | | |
| 2 | Zahle- DR | زحلة | 50M | 33.833466 | 35.906257 | | |
| 3 | Ashrafieh | اشرفية | 6M | 33' 53' 0.93488" | 35' 31' 36.07235" | | |
| 4 | Badaro | بدارو | 6M | 33' 52' 32.64179" | 35' 31' 3.93325" | | |
| 5 | Bir Hassan | بئر حسن | 8M | 33' 52' 26.16315" | 35' 29' 36.08813" | | |
| 6 | Borj Hamoud | برج حمود | 6M | 33' 53' 41.22193" | 35' 32' 23.13172" | | |
| 7 | Airport | طريق المطار | 12M | 33.845537 | 35.498463 | | |
| 8 | Saaedi | سعيد | 6M | 33' 52' 38.76347" | 35' 29' 40.88517" | | |
| 9 | Aley | عاليه | 4M | 33' 48' 28.26869" | 35' 35' 51.581" | | |
| 10 | Amioun | اميون | 4M | 34' 17' 56.55732" | 35' 48' 40.81417" | | |
| 11 | Baabdat | بعبدات | 4M | 33' 53' 26.61697" | 35' 40' 14.23435" | | |
| 12 | Baalbeck | بعلبك | 4M | 34.00005 | 36.194899 | | |
| 13 | Batroun | بترون | 4M | 34.25083 | 35.66241 | | |
| 14 | Beit el dine | بيت الدين | 4M | 33' 41' 9.44799" | 35' 34' 40.71554" | | |
| 15 | Bent Jbeil | بنت جبيل | 4M | 33' 7' 12.85343" | 35' 26' 9.19513" | | |
| 16 | Bsharreh | بشري | 4M | 34' 14' 56.79928" | 36' 0' 38.62976" | | |
| 17 | Bteghrine | بتغرين | 4M | 33' 55' 39.61755" | 35' 44' 19.91144" | | |
| 18 | Chhim | شحييم | 4M | 33' 37' 2.52203" | 35' 29' 20.43436" | | |
| 19 | Chekkka | شكا | 4M | 34' 19' 21.47383" | 35' 43' 34.66625" | | |
| 20 | Choueifat | شوفيات | 6M | 33' 48' 21.99363" | 35' 29' 58.70176" | | |
| 21 | Halba | حلبا | 4M | 34' 32' 35.18188" | 36' 4' 23.98773" | | |
| 22 | Hasbaya | حاصبيا | 4M | 33' 23' 59.06688" | 35' 40' 26.34481" | | |
| 23 | Jbeil | جبيل | 4M | 34.12701 | 35.65194 | | |
| 24 | Jezzine | جزين | 4M | 33' 32' 34.3779" | 35' 35' 2.10502" | | |
| 25 | Jounieh | جونيه | 6M | 33' 58' 56.44682" | 35' 37' 58.48986" | | |
| 26 | Nabatieh | نبطية | 6M | 33' 22' 22.36508" | 35' 28' 52.13672" | | |
| 27 | Ras Baalbeck | راس بعلبك | 4M | 34' 15' 36.41185" | 36' 25' 1.67852" | | |
| 28 | Saida | صيدا | 6M | 33' 33' 53.77219" | 35' 22' 23.47046" | | |
| 29 | Tyr | صور | 6M | 33' 16' 20.73776" | 35' 12' 9.5477" | | |
| 30 | Tebnine | تبنين | 4M | 33' 11' 43.28813" | 35' 24' 34.02481" | | |
| 31 | Tripoli | طرابلس | 6M | 34' 26' 22.17174" | 35' 50' 16.69384" | | |
| 32 | Zgharta | زغرتا | 4M | 34' 23' 42.24884" | 35' 53' 42.3587" | | |
| 33 | Jnah | جناح | 4M | 33.8763617 | 35.4894725 | | |
| 34 | Dora | دورة | 6M | 33' 53' 46.49348" | 35' 33' 33.3765" | | |
| 35 | Hermel | هرمل | 4M | 34.39551 | 36.3854 | | |
| 36 | Hamana | حمامنا | 4M | 33' 49' 29.82213" | 35' 44' 6.36163" | | |
| 37 | Ghazieh | غازية | 4M | 33'30' 55.05552 | 35' 21' 17.90705" | | |
| 38 | Engeneer"s bld | جناح | 4M | 33.8763617 | 35.4894725 | | |
| 39 | Marjeyoun | مرجعيون | 4M | 33'21' 40.26" | 35' 35' 30.672" | | |
| 40 | EDL | الكهرباء | 4M | 33.8958865 | 35.519623 | | |
| 41 | Rashaiya | راشيا | 4M | | | | |
| 42 | Deir el ahmar | دير الأحمر | 4M | | | | |
| 43 | Labweh | لبوة | 4M | | | | |
| 44 | HQ Bir Hassan | بئر حسن | 50M | 33'52' 26.16315" | 35' 29' 36.08813" | | |

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