INDIAN INSTITUTE OF ASTROPHYSICS

IIND BLOCK, SARJAPUR ROAD, KORAMANGALA,
BANGALORE-560 034

PUBLIC TENDER NOTICE NO: REQ/COMP/001 DATED 28.05.2010

The Director, Indian Institute of Astrophysics invites Quotations/Bids from reputed firms for following/specification.   Hence the firm (s) interested in offering bids should have executed similar items/works.

Sl.No.	Description In Brief	Quantity	E.M.D (refundable) Rs.	Tender Fee (non-refundable) Rs.
1.	UTM-Unified Threat Management System (IDS, Wave Filtering Anti Spam, Anti-Spyware) Including VPN (As per specification in the Annexure II)	01 No.	12,500/-	300/-

Note: The Tender documents with Specification details are available on IIA website www.iiap.res.in/tenders.htm.   Hence the interested tenderers may at their option down load the same from our website (as no hard copies of Tender documents is/are provided from this office) and submit their offer along with EMD (refundable) & Tender fee (non-refundable) prescribed therein, only in the form of Demand Draft drawn in favour of Director, IIA.   However, your offer with bid should be superscribed in a envelope mentioning the tender notice no., Date of opening, and submit the Bid in a sealed envelope addressed in favour of Director, Indian Institute of Astrophysics, Bangalore – 560 034.

02. The firms who fulfill the following requirements shall be eligible to submit their bid. Joint ventures are not acceptable.

(a) Tendering Company shall be professionally managed and equipped with facility for the design, fabrication, testing, supply and maintenance of tendered items.

(b) The tenderers should have completed, in the last 3 financial years (i.e., current year and two previous financial years) at least one similar single work for a minimum value of Rs.5 lacs.

(c) The total contract amount received during the last 3 financial years, and the current financial year should be minimum of 150% of the above mentioned value. The tenderer should submit Audited Balance Sheet duly certified by the chartered accountant to this effect. They should also submit Bankers Solvency Certificate to a minimum of Rs.5 Lacs.

(d) The Private Body Contractor shall be required to produce the TDS Certificate indicating the Income Tax deducted by the client for the execution of similar items, completed individually of value not less than Rs.5 Lacs.

03. The Bid supported by the above information should be submitted in Sealed envelope duly superscribed with the name of work/item. The completed Bid will be received by this office **upto 15.00 Hrs. on 14th June 2010.**

04. If any information furnished by the tenderers is found incorrect at a later stage, the firm shall be liable to be debarred from tendering and taking up of work in IIA. The Institute reserves the right to verify the particulars furnished by the tenderers.

05. The interested tenderers may contact Dr.Dipankar Banerjee (Ph.No.25530672, Ext: 431, Cell No.9448908461) to discuss Technical Clarification and Shri.Y.K.Raja Iyengar (Ph.No.25530672, Exten: 244, Cell No.9448092027) for Commercial Clarification, if any, with prior permission on or before 4th June 2010, before submitting bid.

06.The firms should submit the bid superscribed along with Tender fee of prescribed amount **upto 15.00 Hrs. Latest by 14th June 2010.** The Bids will be opened in presence of the bidders or their authorized representatives **at 15.30 Hrs. on 14th June 2010.**

07. Incomplete bids are liable for rejection.

08.Late / delayed offer will not be considered.

09.IIA is not responsible for any delay / loss of documents in transit.

10. No bids will be considered if prescribed Tender Fee is not found with the bid.

11. IIA reserves the right to reject any or all tenders without assigning any reasons.

Administrative Officer

IIA, Bangalore-34

TERMS AND CONDITIONS OF CONTRACT

1. DEFINITIONS :

a.) The terms 'Purchaser' shall mean the Director, Indian Institute of Astrophysics, Bangalore -560 034.

b.) The term 'Contractor' shall mean, the person, firm or company with whom or with which the order of stores is placed and shall be deemed to include the Contractor's successors, representative, heirs, executors and administrators unless excluded by the contract.

c.) The 'Stores' shall mean that contractor agrees to supply under the contract as specified in the Purchase Order including erection Plants and machinery and subsequent testing, should such as condition be included in the Purchase Order.

d.) The terms 'Purchase Order' shall mean the communication signed on behalf of the Purchaser by an Officer duly authorized intimating the acceptance on behalf the Purchaser on the terms and conditions mentioned or referred to in the said communications accepting the tender or offer of the contractor for supply of stores or plant, machinery or equipment or part thereof.

2. PRICES :

Tenders, offering firm prices will be preferred, where a price variation clause is insisted upon by a tenderer, quotations with a reasonable ceiling should be submitted. Such offers should variably be supported by the base price taken into account at the time of tendering and also the formula for any such variations.

3. DUTY EXEMPTION :

(a.)Excise duty exemption certificate will be provided if considered against the categories of items tendered, under the Govt. of India Notification No. 10/97 valid till 2011.

4. SECURITY DEPOSIT:

On acceptance of Tender, the Contractor shall, at the option of the Purchaser and within the period specified by him deposit with him in cash or any other form as the Purchaser may determine, Security deposit not exceeding ten percent of the value of the contract as the Purchaser shall specify. If the contractor is called upon by the purchaser to deposit 'Security' and the contractor fails to provide the security within the period specified, such failure shall constitute a breach of the contract and purchase shall be entitled to make other arrangements for the re-purchase of the stored contracted for at the risk of contractor in terms of sub-clause (ii) and (iii) of clause 10 (b) hereof and/or to recover from the contractor damages arising from such cancellation.

5. GUARANTEE AND REPLACEMENT :

a.) The contractor shall guarantee that the stores supplied shall comply fully with the specifications laid down, for material workmanship and performance.

b.) For a period of (12) twelve months or more according to the company after the acceptance of the stores, if any defects are discovered therin or any defects therin found to have developed under proper use arising from faulty stores, design or workmanship, contractor shall remedy such defects at his own cost provided he is called upon to do so within a period of 14 months from the date of acceptance thereof by the purchaser who shall state in writing in what respect the store or any part thereof are faulty.

c.) If in the opinion of the purchaser, it becomes necessary to replace or renew any defective stores such replacement or renewal shall be made by the Contractor free of all costs to the purchaser provided the notice informing the contractor of the defect is given by the purchaser in this regard within the said 14 months from the date of acceptance thereof.

d.) Should the contractor fail to rectify the defects, the purchaser shall have the right to reject or replace at the cost of the contractor the whole or any portion of the defective stores.

e.) The decision of the purchaser, not withstanding any prior approval of acceptance or inspection thereof on behalf of the purchaser, as to whether or not the stored supplied by the contractor are defective or any defects has developed within the said period of 12 months or as to whether the nature of the defectives required renewal or replacement shall be final, conclusive and binding on the contractor.

f.) To fultill guarantee conditons outlined in Clause 5(a) to (d) above, the contractor shall, at the option of the purchaser, furnish a Bank Guarantee (as prescribed by the purchaser) from a Bank approved by the purchaser for an amount equivalent to 10% of the value of the contract along with first shipment documents. On the performance and completion of the contract in all respects, the Bank Guarantee will be rerutned to the contractor without any interest.

g.) All the replacement stores shall also be guaranteed for a period of 12 months from the date of arrival of stores at Purchaser's site.

h.) Even while the 12 months guarantee applied to all stores in case where a greater period is called forth by our specifications then such a specification shall apply; in such cases the period of 14 months referred to in Para 5(b) and (c) shall be 'asked for' guarantee period plus two months.

6. **PACKAGING, FORWARDING AND INSURANCE** :

The Contractor will be held responsbile for the stores being sufficiently and properly packed for transport by rail, road, sea or air, to withstand transit hazards and ensure safe arrival at the destination. The packing and marking of packing shall be done by and at the expenses of the contractor. The Purchaser will not pay separately for transit insurance, all risks in transit being exclusively of the contractor and the Purchaser shall pay only for such stores as are actually received in good condition, in accordance with contract.

7. **TEST CERTIFICATE** :

Wherever required Test Certificate should be sent along with the relevant dispatch documents.

8. **ACCEPTANCE OF STORES** :

a) The Stores shall be tendered by the contractor for inspection at such places as may be specified by the purchaser at the Contractor's own risk, expenses and cost.

b) It is expressly agreed that the acceptance of stores, contracted for is subject to final approval by the Purchaser, whose decision shall be final.

c) If, in the opinion of the Purchaser all or any of the stores that do not meet the performance or quality requirements specified in the Purchase Order, they may be either rejected or accpeted at the price to be fixed by the purchaser and his decision as to rejection and the prices to be fixed shall be final and binding on the contractor.

d) If the whole or any part of the store supplied are rejected in accordance with Clause No.8(c) above, the Purchaser shall be at the liberty, with or without notice to the Contracor, to purchase in the open market at the expenses of the Contractor, stores meeting the necessary performance and quality contracted for in place of these rejected, provided that either the purchase, or the agreement to purchase, from another supplier is made within six months from the date of rejection of the stores as aforesaid.

9. REJECTION OF STORES :

Rejected stores will remain at the destination at the Contractor's risk and responsibility, if instructions for their disposal are not received from the Contractor within a period of 14 days from the date of receipt of the advice or rejection, the Purchaser or his representative has, at his discretion the right to scrap or seal or consign the rejected stores to the Contractor's address at the Contractor's entire risk and expense, freight being payable by the Contractor at actuals.

10. DELIVERY PERIOD :

a.) The delivery period of the stores stipulated in the purchase order shall be deemed to be the essence of the Contract, and delivery must be completed on or before the specified dates/period.

b.) Should the Contractor fails to deliver the stores or any consignment thereof within the period prescribed for such delivery, the Purchaser shall be entitled at his option either.

i) to recover from the Contractor as agreed liquidated damages and not by way of penalty, a sum of 2% of the price of any stores which the contractor has failed to deliver as aforesaid for each month or part of a month, during which the delivery of such stores may in arrears, or

ii) to purchase elsewhere, without notice to the Contractor on the account and at the risk of the contractor, the stores not delivered or others of similar description (where other exactly complying with the particulars are not, in the opinion of the purchaser readily procurable, such opinion being final) without canceling the Contract in respect of the consignment(s) not yet due for delivery or,

to cancel the contract or a portion thereof, and, if so desired to purchase or authorize the purchase of stores not so delivered or others of similar description (where other exactly complying with the particulars are not, in the opinion of the purchaser readily procurable, such opinion final) at the risk and cost of the Contractor.

In the event of action being taken under sub-clause (ii) and (iii) of clause 10 above, the Contractor shall be liable for any loss which the Purchaser may sustain on that account, provided that the re-purchase, or if there is an agreement to re-provide shall made within (6) six months from the date of such failure. But the Contractor shall not be entitled to any gain on such re-purchase made against default. It shall not be necessary for the purchaser to serve a notice of such re-purchase on the defaulting Contractor. This right shall without prejudice to the right of the purchase to recover damages for breach of contract by the Contractor.

11. EXTENSION OF DELIVERY TIME :

As soon as it is apparent that Contractor delivery period/dates cannot be adhered to, an application shall be sent by the Contractor to the Purchaser. If failure, on the part of the Contractor to deliver the stores in proper time shall have arisen from any cause which the Purchaser may admit as reasonable ground for an extension of the time (and his decision shall be final he may allow such additional time as he considers it to be justified by the circumstances of the case without prejudice to the Purchaser's rights to recover liquidated damages under clause 10(i)(ii) and (iii).

12. PAYMENT :

Contractor's bill will be passed only after the stores have been recevied, inspected and accepted by the Purchaser for payment

13. RECOVERY OF SUMS DUE :

Whenever there is breach of contract whether liquidated or not, money arising out of or

under this contract against the contract, the Purchaser shall be entitled to recover such sum by appropriating, in part or whole, the security deposited by the Contractor, if a Security is taken against the contract. In the event of the Security being insufficient or if no security has been taken from the Contractor, then the balance or the total sum recoverable as the case may be shall be deducted from any sum then due or which at any time thereafter may become due to the contractor under this or any other contract with the Purchaser. Should this sum be not sufficient to cover the full amount recoverable, the Contractor shall pay to the Purchaser on demand the remaining balance due. Similarly, if the purchaser has or makes any claims, whether liquidated or not, against the Contractor under any other contract with the purchaser, the payment of all money payable under the contract to the Contractor including the Security Deposit shall be withheld till such claims of the Purchaser are finally adjudicated upon and paid by the Contractor.

14. **INDEMNITY :**

The Contractor shall warrant and be deemed to have warranted that all stores supplied against this contact are free and clean of infringement of any patent, copy right or trade mark, and shall at all time indemnify the purchaser against all claims which may be made in respect of the stores for infringement of any right protected by patent, registration of design or trade mark and shall take all risk of accidents of damage which may cause a failure of the supply from whatever cause arising and the entire responsibility for sufficiency of all the means used by him for the fulfillment of contract.

15. **ARBITRATION:**

In the event of any question, dispute or difference arising under these conditions contained in the purchase order in connection with this contract, (except as to any matters the decision of which is specially provided for by these conditions), the same shall be referrred to the sole aribitration of the Head of the Institution or of some other person appointed by him. It will be no objection that the arbitrator is a Goverment Servant, that he has to deal with matter to which the Contract relates or that in the course of his duties as Government Servant he has expressed views on all or any of the matters in dispute binding on the parties of this Contract.

(a)**IT IS TERMS OF THIS CONTRACT:**

If the Arbitrator be the Head of the Institution.,

i) in the event of his being transferred or vacating his office by resigantion or otherwise, it shall be lawful for his successor-in-office either to proceed with the reference himself, or to appoint another person as arbitrator, or,

ii) in the event of his being unwilling or unable to act for any reason, it shall be lawful for the Head of the Institution, to appoint another person as arbitrator or,

(b) If the Arbitrator be a Person appointed by the Head of the Institution:-

In the event of his death, neglecting or refusing to act, or resigning or being unable to act for any reaon, it shall be lawful for the Institution either to proceed with reference himself or to appoint another person as arbitrator in place of the outgoing arbitrator. Subject as aforesaid the Arbitration Act, 1940 and the rules there under and any statutory modifications therof for the time being in force shall be deemed to apply to the arbitration proceedings under this clause. The Arbitrator shall have the power to extend with the consent of the Purchaser and the Contractor the time for making a publishing the award. The venue of Arbitration shall be the place as the Purchaser. In his absolute discretion may determine. Work under the contract shall if resonably possible, continue during Arbitration proceedings.

16. **COUNTER TERMS AND CONDITIONS OF SUPPLIERS :**

Where Counter Terms and Conditions/printed or cyclostyled conditions have been offered by the Supplier, the same shall not be deemed to have been accepted by the Purchaser, unless specific written acceptance thereof is obtained.

17. SECURITY FOR PURCHASER'S MATERIAL(S) :

Successful Tenderer will have to furnish in the form of a Bank Guarantee or any other form as called for by the Purchaser towards adequate security for the materials/property for the due execution of the Contract.

ANNEXURE – II

UNIFIED THREAT MANAGEMENT SYSTEM | Specification for Firewall

SI No.	Specification	Mandatory/Optional
1	Firewall: Appliance based firewall and should be ICSA and EAL4+ certified for firewall and IPSEC.	Mandatory
2	ASIC based appliance where firewall & VPN and AV scanning are accelerated by ASIC is preferred.	Mandatory
3	The solution offered should not be hard disk based. (Even if the hard disk fails all the securtiy functionalities should work without any perfomance or functional degradation)	Mandatory
4	Number of NIC slots to be mentioned exactly as supported by the device. Should have minimum 10 interfaces out which minumum 8 should be 10/100/1000 Ethernet interfaces	Mandatory
5	Licensing: should be a per device license and not user/IP based license.	Mandatory
6	Integrated purpose built in Firewall and VPN: Should have integrated IPSEC VPNs as well as SSL, should support DES, 3 DES and AES (128,192, 256) and should be hardware accelerated encryption, preferably ASIC accelerated.	Mandatory
7	Security Policy: should be easy to configure and manage the firewall policies. Should support policy level logging. Should support policy level natting and traffic shaping.	Mandatory
8	High Availability: The firewall should be able to support high availability and dynamic load balancing for data going through the firewall (active-active) If external firewall load balancers are provided, even they should have high availability in Active-Active.	Mandatory
9	The Firewall must be capable of clustering multiple firewalls together into a redundant and highly available stateful configuration. If an external load balancer is provided for clustering, the load balancer should provide connectivity for at least 12 firewalls.	Optional
10	Transparent Mode : should support transparent mode/Bridge mode for Seamless deployment into existing network adding all security functionality without changing IP configurations in the network.	Mandatory
11	Dual WAN/ISP support: should support automatic ISP failover as well as ISP load sharing and load balancing for outbound traffic. Should have separate interfaces for terminating dual ISP Ethernet connectivity.	Mandatory
12	The appliance should support VLAN tagging (IEEE 802.1q) and should support VLANs on all interfaces and minimum of 200 VLAN should be supported	Mandatory
13	Support for virtual firewalls. Please mention what is the maximum number of virtual firewalls supported (minimum 10)	Optional
14	RIPv1 and RIPv2 routing must be supported. The Firewall should support OSPF & BGP	Optional
15	Logging & Reporting : should support secure logging to a external logging device and generate reports based on the firewall logs	Mandatory
16	Should have expansion slots to add additional 4 gigabit interfaces	Mandatory
17	Performance : Robust High Level Performance for firewall and VPN and Should minimum of 6 Gbps firewall throughput and 800Mbps of VPN throughput.	Mandatory

18	Number of sessions : Should support atleast 6,00,000 concurrent sessions and atleast 20,000 new sessions per second	Mandatory
19	Firewall should have feaures to block applications by name	Mandatory

Specifiaction for Network Intrusion Prevention System (IPS)

SI No.	Specification	Mandatory/Optional
1	Should be a appliance based solution and IPS should be ICSA certified	Mandatory
2	If it is not a ingrated functionality, the standalone solution should be able to integrate with the firewall and should have options to dynamically change the firewall policies.	Mandatory
3	Support at least 3000 or more signatures with online download support of newer signatures.	Mandatory
4	There should be an option to create User-specified signatures.	Mandatory
5	The IPS should have high availability, so that in case if the primary fails the secondary appliance will become active without any manual intervention	Optional
6	IPS signatures should have various configurable actions like terminate a TCP session by issuing TCP Reset packets to each end of the connection, or drop the traffic in addition to sending a alert and logging the incident. Should have options to quaratnine the attacker IP address for a predefined time.	Mandatory
7	Signatures should a severity level defined to it so that it helps the administrator to understand and decide which signatures to enable for what traffic (e.g. for severity level: high medium low)	Mandatory
8	IPS shall be able to be configured such that attack signature and traffic analysis focus only on specified hosts, specified protocols, or specified servicesnad should be configurable at a firewall policy level.	Mandatory
9	Vendor updates its attack signature database regularly and it should be configurable to update the signatures automatically without manual intervention to the IPS device. This data should be available in the public web site in terms of the attack signatures and the when it was made available for download.	Mandatory
10	Vendor makes new attack signatures and new major software releases available for download from its Web site and also notifies automatically through e-mail about the availability of new signatures and new product releases.	Mandatory

Specification for Gateway Level Antivirus

SI.No.	Specification	Mandatory/Optional
1	Gateway level Antivirus solution should be ICSA certified	Mandatory
2	AV scannning solution should be based on complete content reassembly and not based on stream based AV scanning technology	Mandatory

3	Gateway level Anti Virus should provide high-performance real time protection against viruses in SMTP, POP3, IMAP, HTTP, IM ((AIM, ICQ, MSN, Yahoo) and FTP traffic.	Mandatory
4	Gateway level Anti Virus should provide high-performance real time protection against viruses in secure (encrypted traffic) SMTPS, POP3S, IMAPS, HTTPS and FTPS traffic.	Mandatory
5	The proposed solution should be licensed per unit as against per user.	Mandatory
5	Should have option to configure to respond to virus detection in several ways i.e. Delete the file, quarantine the file, Alert email. It should have the option to quarantine the infected PC for a pre-configured duration. Should have option to quarantine the virus infected IP for predefined time.	Mandatory
7	Frequent updates of virus pattern files should be available from the Web site and option for scheduling for automatic download and installation should be available.This data should be available in the public web site in terms of the list Anti-virus signatures and the when it was released.	Mandatory
8	Should have facility to block files based on file type as well as file extensions over HTTP, HTTPS, FTP, FTPS, SMTP, SMTPS, POP3 as well as IMAP	Mandatory
9	Should have facility to configure the max file/email size which can be downloaded thru internet	Optional
10	Should have granular controlin terms of options to select what traffic to scan for viruses and the same should eb configurable at a firewall policy level.	Mandatory
11	The solution should support load balancing for the AV scanning, so that the traffic which needs to be scanned can be load balanced across the boxes in the cluster	Mandatory

Specification for Web Content Filtering

SI No.	Description	Mandatory/Optional
1	Web content filtering solution should work independently without the need to integrate with proxy server	Mandatory
2	Should have facility to block URL based on categories as well as based URL patterns (e.g. yahoo.*) and based on key words, options to define the URL exempt list	Mandatory
3	The proposed solution should be licensed per unit as against per user.	Mandatory
4	URL database should have at least 29 million sites and 75 categories.	Mandatory
5	Should have configurable parameters to block/allow unrated sites. Should have configurable options to allow/deny access to web sites in case if the URL rating service is unavailable	Mandatory
6	Should have options to customize the block message information send to end users	Mandatory

7	Should have facility to schedule the configurations so that non work related sites are blocked during office hrs and allow access to all sites except non harmful sites during non office hrs.	Mandatory
8	Should have facility to configurable policy options to block web sites based on banned words.	Mandatory
9	The solution should be able to block spywares /adwares etc.	Mandatory
10	The solution should have options to block download of files over internet based on file extension or file type (e.g. *.avi, *.mpeg, *.mp3 etc)	Optional
11	The solution should offer controlling of data leakage over HTTP (DLP on HTTP)	Mandatory
12	The should control applicaton which run on HTTP	Mandatory

Specification for Spam filtering

SI No.	Description	Mandatory/Optional
1	should be appliance based solution integrated with the UTM appliance	Optional
2	vendor should have their own RBL database of known spam sources to validate/check whether the mail is a spam or not	Mandatory
3	The proposed solution should be licensed per unit as against per user.	Mandatory
4	Should be able to detect spam mails in SMTP, POP3 as well as IMAP protocols	Mandatory
5	Yhe proposed solution should have inspection facility on the header and body of the mail to check for spam URI content and identify whether the mail is a spam mail or not.	Mandatory
6	Option should be available to manually configure multiple RBL& ORDBL servers to check for spam mail	Mandatory
7	Should have options to configure white list as well black list based on IP address/email address/domain and validate against the same to detect whether a mail is spam mail or not	Mandatory
8	Should have provision to define banned key words and check against those key words to identify spam mails.	Mandatory
9	Should have configurable spam actions for detected spam mails (e.g., tag the mail, delete the spam mail etc).	Mandatory

Specification for logging and reporting

SI No.	Description	Mandatory/Optional
1	Logging and reporting should not be done on the same appliance where the UTM functionalities are offered	Mandatory
2	The centralized logging reporting solution should hardware appliance based, If not then it should be a software based with recommneded hardware as mentioned in data sheets. The solution should support minimum 10 UTM appliances.	Mandatory
3	Should have secure connectivity between UTM appliances and log analysis solution, It should have at least 3 10/100 ports.	Mandatory
4	The solution should generate the detailed reports for all the UTM functionality like firewall , IPS, AV, web content filtering, anti-spam and VPN.	Mandatory
5	The solution shall have readymade templates to generate reports like complete reports or attack reports, bandwidth report, intranet report, virus report, top viruses, top attacks, BW usage etc..should support atleast 150 different types of report, should have options to generate reports in different formats like html, pdf, ms word etc..	Mandatory
6	The solution should help to analyze/understand Attacks over various protocols like http, ftp, SMTP, POP3 and IMAP as well as to sources and destination for these attacks.	Mandatory
7	The solution should help to analyze/understand the protocol and bandwidth usage by users to help in capacity planning and understand network utilization	Mandatory
8	The solution should have configurable options to send the reports as a mail to the designated email address or to ftp to the configured ftp location	Mandatory
9	Should have configurable parameters to send alert emails based on event type or attack type or total number of attacks etc., Should have configurable parameters to set alert thresholds (eg. If same event/attack occurs more than 5 times within an hrs time)	Mandatory
10	The solution should also have the option to generate reports based on the logs collected from multiple firewalls UTM's and option to schedule the report generation (eg. hourly, daily, weekly etc.).	Mandatory
11	The solution should be running its own syslog server to collect the logs	Mandatory
12	Should have the facility to archive the real payload(actual content) of E-mail, IM, HTTP and FTP traffic which is passing through the security appliances like IPS/firewall etc	Optional
13	Should have either an integrated vulnerability scanner for internal hosts on the network or should be a software/hardware based solution which should support minimum 200 network nodes vulnerability scanning concurrently	Optional
14	Should support at least 250GB storage	Mandatory
15	Should have FCC class-A and CE mark safety certificates	Optional