

EMPANELLED INFORMATION SECURITY AUDITING ORGANISATIONS by CERT-In

The List of IT Security Auditing Organisations, as given below, is up-to-date valid list of CERT-In Empanelled Information Security Auditing Organisations. This list is updated by us as soon as there is any change in it.

1. M/s 3i infotech Ltd.

Tower #5, 3rd to 6th Floors,
International Infotech Park, Vashi
Navi Mumbai 400703
Ph : 022-67928000
Fax : 022-67928095
Contact person :Mr. Garimella Nagabhushanam-Global Head, ADMS & IMS
Mobile : +91 9676488227
E-mail : naga.g[at]3i-infotech.com

2. M/s AAA Technologies Pvt Ltd

278-280, F-Wing, Solaris-1,
Saki Vihar Road, Opp. L&T Gate No. 6,
Powai, Andheri (East),
Mumbai – 400072.
Website URL : <http://www.aaatechnologies.co.in>
Ph : 022-28573815
Fax: 022-40152501
Contact Person : Mr. Anjay Agarwal, Chairman & Managing Director
Mobile : +91 09322265876, 9821087283
E-mail : anjay[at]aaatechnologies.co.in

3. M/s Aegis Tech Ltd.

2nd Floor, Equinox Business Park,
Tower 1, (Peninsula Techno Park),
Off Bandra Kurla Complex, LBS Marg,
Kurla (West), Mumbai – 400070, INDIA
Ph : 0 22-6661 7466
Fax: +91 22 6704 5888
Contact person :Mr. Atul Khatavkar, VP - ITGRC
Mobile: +91 9930132135
E-mail: atul.khatavkar[at]agcnetworks.com

4. M/s AUDITime Information Systems (I) Ltd.

A-504, Kailash Esplanade,
L B S Marg, Ghatkopar (West),
Mumbai – 400086
Ph: 022-25006875
Fax: 022-25006876
Contact person :Mr. Madhav Bhadra, Director
Mobile : +91 9320253902
E-mail: mmb[at]auditimeindia.com

5. M/s AKS Information Technology Services Pvt Ltd

E-52, 1st Floor,
Sector-3,
Noida – 201301.
Website URL : <http://www.aksitservices.co.in>
Fax : 0120-4243669
Contact Person : Mr. Ashish Kumar Saxena, Managing Director
Mobile : +91 9811943669
E-mail : ashish[at]aksitservices.co.in

6. M/s Aujas Networks Pvt Ltd

#595, 4th floor, 15th Cross, 24th Main, 1st Phase,
JP nagar,
Bangalore, Karnataka- 560078.
Website URL : <http://www.aujas.com/>
Ph : 080-26087878
Fax: 080-26087816
Contact Person : Mr. Sandeep Sinha Roy, Vice President
Mobile : +91 09886769470
E-mail : sandeep.roy[at]aujas.com

7. M/s Computer Science Corporation India Pvt. Ltd

A-44/45,DIF IT Park,Noida Towers,
Sector 62, Noida
Website URL: <http://www.csc.com/in>
Ph : +91-120-4701015
Fax : +91-120-6700108
Contact Person : Rajesh Malhotra, General Manager
Mobile : +91 09810077743
E-mail : cybersecurity_india [at]csc[dot]com

8. M/s Cyber Q Consulting Pvt Ltd.

622 DLF Tower A,Jasola
New Delhi-110044
Website URL: <http://www.cyberqindia.com>
Ph : 011-41077560
Fax : 011-41077561
Contact Person : Mr. Debopriyo Kar, Head-Information Security
Mobile: +91 9810033205
E-mail : debopriyo[dot]kar[at]cyberqindia.com

9. M/s ControlCase International Pvt Ltd

203, Town Center-1, Andheri-Kurla Road,
Saki Naka, Andheri(E)
Mumbai-400059
Ph: 022-66471800
Fax: 022-66471810
Contact person :Mr. Suresh Dadlani, Chief Operating Officer
Mobile : +91 09820293399
E-mail : sdadlani[at]controlcase.com

10. M/s Cyber Security Works Pvt. Ltd

E Block, No. 3, 3rd Floor,
599, Anna Salai, Chennai - 600006
Ph: 044-42089337
Fax: 044-42089170
Contact person :Mr. Ram Swaroop, President
Mobile : +91 09790702222
E-mail : ram[at]cybersecurityworks.com

11. M/s Centre for Development of Advance Computing (C-DAC), Hyderabad.

Jawaharlal Nehru Technological University,
Hyderabad Campus Old Library Building,
Kukatpally, Hyderabad – 500085
Ph: 040-23150115
Fax: 040-23150115
Contact Person: Shri Ch.A.S. Murthy, Principal Technical Officer
Email: chasmurty[at]cdac.in

12. M/s Deloitte Touche Tohmatsu India Pvt. Ltd

7th Floor, Building 10, Tower B, DLF Cyber City Complex, Phase-III,
Gurgaon-122002,
Haryana India
Website URL : <http://www.deloitte.com>
Ph : +91-0124-6792049
Contact Person : Mr. Shree Parthasarathy, Senior Director
E-mail : inquirytechrisk[at]deloitte[dot]com

13. M/s Digital Age Strategies Pvt. Ltd

204, Lakshminarayan Complex,
2nd Floor, Panduranganagar, Opp. HSBC,
Bannerghatta Road, Bangalore – 560076
Ph: 080-41503825
Fax: 080-41218560
Contact person :Mr. Dinesh S. Shastri, Director
Mobile : +91 9448055711
E-mail : audit[at]digitalage.co.in,dinesh.shastri[at]digitalage.co.in

14. M/s Ernst & Young Pvt Ltd

Tidel Park, 6th floor (601), A block, 4, Rajiv Gandhi Salai,
Taramani Chennai- 600113, Tamil Nadu
Website URL: www.ey.com/india
Ph : 044-66548100
Fax: 044-22540120
Contact Person: Mr. Terry Thomas, Partner & India Leader- IT Risk and Assurance
Mobile : +91 09880325000
E-mail : terry.thomas[at]in.ey.com

15. M/s Financial Technologies(India)Ltd

8th Floor, FT Tower, CTS No. 256-257 Suren Road,
Chakala, Andheri(E), Mumbai- 400093
Website URL: www.ftindia.com
Ph : 022-66868010
Fax: 022-66868050
Contact Person: Mr. Parag Ajmera, Business Head
E-mail : parag.ajmera[at]ftindia[dot]com

16. M/s Haribhakti & Co.

42, Free Press House, 4th Floor,
215, Nariman Point, Mumbai – 400021
Ph: 022-66729786
Fax: 022-66729777
Contact person :Mr. Kartik Radia, Partner
Mobile : +91 9833589919
E-mail : kartik.radia[at]dhconsultants.co.in

17. M/s HCL Comnet Ltd

Head Office, A104, Sector-58, Noida - 201301
Ph: 0120-4061200
Fax: 0120-2589667
Contact person : Mr. Amit Mahendrabhai Modi, Associate General Manager
Mobile : +91 9920660605
E-mail : amitmo[at]hcl.com

18. M/s Hexaware Technologies Ltd

H-5, SIPCOT IT Park, Siruseri,
Navallur, Chennai - 603103
Ph: 044-47451000
Fax: 044-47451111
Contact person :Mr. Elangovan Sargunapandian, Principal Consultant - Infosec
Governance
Mobile : +91 9840413778
E-mail : elangovan[at]hexaware.com

19. M/s IBM India Pvt Ltd

Subramanya Arcade, 12 Bannerghatta,
Main Road, Bangalore- 500028
Website URL: www.ibm.com/in/en
Ph : 080-40683000
Fax: 080-26787218
Contact Person:
Mr. Sudeep Saxena, Service delivery leader - Professional Security Services
Email Id : sudsaxen[at]in.ibm.com.
Mobile : 91-982-344-5378
Mr. Om Ahuja: Security Services Offering Leader,
Email id: omahuja[at]in.ibm.com
Mobile: 9820177062

20. M/s Indusface Consulting Pvt Ltd

A/2-3, 3rd Floor, Status Plaza, Opp. Relish Resorts,
Akshar Chowk, Atladra - Old Padra Road,
Vadodara – 390020.
Website URL : <http://www.indusfaceconsulting.com>
Ph : 0265-6562666
Fax: 0265-2355820
Contact Person : Mr. Ashish Tandon, CEO
Mobile : +91 9898866444
E-mail : ashish.tandon[at]indusfaceconsulting.com

21. M/s iViZ Techno Solutions Pvt Ltd

Royal Arcade, 1st floor, no. 6, 80 feet road,
koramangala Industrial Area, Bangalore- 560095
Website URL: <http://www.ivizsecurity.com>
Ph : +91(0)80 42620200
Fax: 080-42620200
Contact Person: Mr. Debjit Datta, Head of Operations
Mobile : +91 09900087638
E-mail : [ci_sales\[at\]iviztechnosolutions.com](mailto:ci_sales[at]iviztechnosolutions.com)

22. M/s IDBI Intech Ltd

Plot No. 39-41, IDBI Building, Sector-11, CBD Belapur,
Navi Mumbai - 400614
Ph: 022-39148000
Fax: 022-27566313
Contact person :Mr. Amol Date, Project Manager-Information Security Services
Mobile : +91 9820715309
E-mail : [amol.date\[at\]idbiintech.com](mailto:amol.date[at]idbiintech.com)

23. M/s KPMG

8th floor, Tower B, DLF Cyber City,
Phase-II, Gurgaon- 122002
Website URL: www.kpmg.com
Ph : 0124-3074134
Fax: 0124-2549101
Contact Person: Mr. Atul Gupta, Director
Mobile : +91 09810081050
E-mail : [atulgupta\[at\]kpmg.com](mailto:atulgupta[at]kpmg.com)

24. M/s Locuz Enterprise Solutions Ltd

5th Floor, South Wing, Tower-3, ICICI Towers, Financial District, Gachibowli, Hyderabad-
500032
Ph: 040-67313200,67313201
Fax: 040-67313202
Contact person :Mr. P. Manohar, Regional Head-Services
Mobile : +91 09866667047
E-mail : [manohar.palakodeti\[at\]locuz.com](mailto:manohar.palakodeti[at]locuz.com)

25. M/s Mahindra Special Services Group

5th Floor, Times Square, Western Express Highway,
Andheri East, Mumbai-400069
Ph: 022-24984213
Fax: 022-24916869
Contact person :Mr. Dinesh K Pillai, Chief Executive Officer
Mobile : +91 9769693764
E-mail : [dinesh.pillai\[at\]mahindrassg.com](mailto:dinesh.pillai[at]mahindrassg.com)

26. M/s MIEL e-security Pvt. Ltd.

MIDC, Road No.9, Plot No.16,
Ground Floor, Behind Samruddhi Venture Park,
Andheri (East),
Mumbai – 400093.
Ph : +(91)022 42129595
Fax: +(91) 022 42129596
Contact person :Mr. Rajendran C, Technical Services Head
Mobile : +91 7498263832
E-mail : rajendranc[at]miel.in

27. M/s Net-Square Solutions Private Limited

1, Sanjivbaug, Paldi,
Ahemdabad-380007
Ph: 079-26650090
Fax: 079-26651051
Contact person :Mr. Hiren Shah -President
Mobile : +91 09869423839
E-mail : info[at]net-square.com

28. M/s Netmagic Solutions Pvt. Ltd

2nd Floor, (North Side), Block B-2, Phase-I,
Nirlon Knowledge Park, Off. Western Express Highway,
Goregaon (East), Mumbai- 400063
Website URL: www.netmagicsolutions.com
Ph : 022-40099199
Fax: 022-40099101
Contact Person: Mr. Yadavendra Awasthi, Chief Information Security Officer
Mobile: +91 09987172584
E-mail : yadu[at]netmagicsolutions.com

29. M/s Network Intelligence India Pvt Ltd

204-Ecospace IT park, Off old Nagardas road,
Near Andheri Sub-way, Andheri East, Mumbai- 400069
Website URL: www.niiconsulting.com/
Ph : 022-28392628
Fax: 022-40052628
Contact Person: Mr. K K Mookhey, Director
Mobile: +91 09820049549
E-mail : kkmookhey[at]niiconsulting.com

30. M/s Paladion Networks

Shilpa Vidya 49, 1st Main, 3rd Phase, JP Nagar, Bangalore- 560078
Website URL: www.paladion.net
Ph : 080-42543444
Fax: 080-41208559
Contact Person: Mr. Amit Tewari, Sales Manager
Mobile: +91 09910301180
E-mail : amit.tewary[at]paladion.net

31. M/s PricewaterhouseCoopers Pvt Ltd

Building 8, 7th & 8th floor, Tower- B,
DLF Cyber city, Gurgaon- 122002
Website URL: www.pwc.com/in/en
Ph : 0124-4620000
Fax: 0124-4620620
Contact Person: Mr. Anirban Sengupta, Associate Director
Mobile : +91 09810755426
E-mail : [anirban.sengupta\[at\]in.pwc.com](mailto:anirban.sengupta[at]in.pwc.com)

32. M/s SecurEyes Techno Services Pvt Ltd

#3S, 3rd floor, 51/27, Swamy Towers, Chinapanahalli,
Marathahalli, Outer Ring Road, Bangalore- 560037
Website URL: www.secureyes.net
Ph : 080-25223122
Contact Person: Mr. Uma Pendyala, Accounts Manager- Projects
Mobile: +91 09449035102
E-mail : [umap\[at\]secureyes.net](mailto:umap[at]secureyes.net)

33. M/s STQC Directorate

Electronics Niketan, 6 CGO Complex,
Lodhi Road, New Delhi- 110003
Website URL: www.stqc.gov.in
Ph : 011-24363378
Fax: 011-24363083
Contact Person: Mr. Arvind Kumar, Senior Director
E-mail : [arvind\[at\]mit.gov.in](mailto:arvind[at]mit.gov.in)

34. M/s Sumeru Software Solutions Pvt Ltd

#20, 1st floor, 11th main 39 A Cross,
Jayanagar 4T Block Bangalore- 560041
Website URL: [http:// www.sumerusolutions.com](http://www.sumerusolutions.com)
Ph : 080-22440208
Fax: 080-41211434
Contact Person: Mr. Rajagopal Venkataraman, Delivery Manager
Mobile: +91 09620104046
E-mail : [raj.venkat\[at\]sumerusolutions.com](mailto:raj.venkat[at]sumerusolutions.com)

35. M/s Sysman Computers Pvt Ltd

312, Sundram, Rani Laxmi Chowk,
Sion Circle, Mumbai- 400022
Website URL: www.sysman.in
Ph : 022-24073814
Contact Person: Mr. Rakesh M Goyal, Managing Director
Mobile: +91 09967248000
E-mail : [rakesh\[at\]sysman.in](mailto:rakesh[at]sysman.in)

36. M/s Secfence Technologies

(A unit of Innobuzz Knowledge Solutions Pvt. Ltd.)
365, 3rd Floor, Kohat Enclave,
Pitampura, New Delhi-110085
Contact person :Mr. Atul Agarwal, Co-founder, Director
Mobile : +91 9999921220
E-mail : [atul\[at\]secfence.com](mailto:atul[at]secfence.com), [atul\[at\]innobuzz.in](mailto:atul[at]innobuzz.in)

37. M/s Security Brigade

B/20 3rd Floor, Everest Building, Tardeo Road,
Mumbai - 400034,
Maharashtra - India
Ph: 022-65264585
Fax: 0651-2444545
Contact person :Mr. Yash Kadakia, Chief Technology Officer
Mobile : +91 9833375290
E-mail : certin[at]securitybrigade.com

38. M/s SISA Information Security Pvt Ltd

3029, SISA House, 13th Main Road,
Sri Sai Darshan Marg, HAL II Stage, Indiranagar,
Bangalore - 560008
Ph: 080-41153769
Fax: 080-41153796
Contact person :Mr. Nitin Bhatnagar, Head Business Developer
Mobile : +91 9820885922
E-mail : nitin.bhatnagar[at]sisainfosec.com

39. M/s Suma Soft Pvt Ltd

Suma Centre, 2nd Floor, Opp Himali Society,
Erandwane, Pune - 411004
Ph: 020-40130400
Fax: 020-25438108
Contact person :Mr. Surendra Brahme, Director
Mobile : +91 9822057655
E-mail : surendra[at]sumasoft.com

40. M/s Tata Consultancy Services Ltd

Wellspring phase-3, Godrej and Boyce Complex, plant No. 12,
Gate No. 4, LBS Marg, Vikhroli (West), Mumbai- 400079
Website URL: www.tcs.com
Ph : 022-67784139
Fax: 022-67784399
Contact Person: Mr. PVS Murthy, Global Head, Information Security Management Practice
Mobile: +91 09223179277
E-mail : pvs.murthy[at]tcs.com

41. M/s Torrid Networks Pvt. Ltd.

M/s Torrid Networks Private Limited
H-87, Third Floor, Sector-63
Noida-201301 Uttar Pradesh
Ph: 012-04216622,
Fax: 012-04235064
Contact person :Mr. Dhruv Soi, Principal Consultant
Mobile : +91 9266666691
E-mail : dhruv.so[at]torridnetworks.com

42. M/s Tech Mahindra Ltd.

Sharada Center, Off Karve Road,
Pune- 411044
Website URL: www.techmahindra.com
Ph: 020 - 66018100
Fax: 020 - 25424466
Contact Person: Mr. Olive Saha, Senior Technical Consultant
Mobile : +91 09850000517
E-mail : [olive\[at\]techmahindra.com](mailto:olive[at]techmahindra.com)

43. M/s Vista Infosec Pvt. Ltd.

133, Kuber Complex,
Link Road, Andheri(W)
Mumbai-400053
Opposite Laxmi Industrial Estate
Ph: +91-22-65236292
Contact person :Mr. Narendra S Sahoo, Director
Mobile : +91 9820223497
E-mail : [narendra.sahoo\[at\]vistainfosec.com](mailto:narendra.sahoo[at]vistainfosec.com)

44. M/s Wipro Ltd

Doddakannelli,
Sarjapur Road,
Bangalore-5600035
Ph: 080-28440011
Fax: 080-28440256
Contact person : Mr. Keyoor Prashant Diwaker, Sr. Account Manager
Mobile : +91 9650118589
E-mail : [keyoor.diwaker\[at\]wipro.com](mailto:keyoor.diwaker[at]wipro.com)

45. M/s Xiarch Solutions Pvt Ltd

352, 2nd Floor Tarun Enclave,
Pitampura, New Delhi-110034
Ph: 011-45510033
Fax:011-66173591
Contact Person:Utsav Mittal, Principal Consultant
Email: [utsav\[at\]xiarch.com](mailto:utsav[at]xiarch.com)

**Snapshot of skills and competence of CERT-In empanelled
Information Security Auditing Organisation**

M/s 3i Infotech Ltd.

1. Name & location of the empaneled Information Security Auditing Organization :

M/s. 3i Infotech Ltd.,
Tower # 5, 3rd to 6th Floors,
International Infotech Park,
Vashi, Navi Mumbai – 400703

2. Carrying out Information Security Audits since : 2000

3. Capability to audit , category wise :

| | |
|--|-----|
| • Network security audit | Yes |
| • Web-application security audit | Yes |
| • Wireless security audit | Yes |
| • Compliance audits (ISO 27001, PCI, etc.) | Yes |
| • Formation and Review of IT Security Policy | Yes |
| • Information Security Testing | Yes |
| • Application Audit and Security Testing including ERP Audit | Yes |
| • Physical Access Control | Yes |
| • Internet Technology Security Testing | Yes |
| • Penetration Testing | Yes |
| • Software Vulnerability Assessment | Yes |

4. Information Security Audits carried out in last 12 Months :

| | |
|--|---|
| Govt. : | 0 |
| PSU : | 1 |
| Private : | 2 |
| Total Nos. of Information Security Audits done : | 3 |

5. Number of audits in last 12 months , category-wise :

| | |
|--|---|
| Network security audit : | 1 |
| Web-application security audit : | 3 |
| Wireless security audit : | 0 |
| Compliance audits (ISO 27001, PCI, etc.) : | 0 |

6. Technical manpower deployed for information security audits :

| | |
|--|-----|
| BS7799 / ISO27001 LAs : | 3 |
| CEH : | 3 |
| CCNA/CCNP : | 102 |
| ITIL : | 31 |
| Any other information security qualification : | 123 |
| Total Nos. of Technical Personnel : | 36 |

7. Details of technical manpower deployed for information security audits in Government and Critical Sector organizations :

| S. No. | Name of Employee | Duration with 3i Infotech Ltd. | Experience in Information Security | Qualifications Related to Information Security |
|--------|-----------------------|--------------------------------|------------------------------------|--|
| 1 | Mudakala Prashant Rao | 11 | 11 | ISO27001 LA |
| 2 | Amit Deshpande | 9 | 9 | ISO27001 LA |
| 3 | Afser Ali | 8 | 2 | CCNA, CCNP, CEH |
| 4 | Raghuram Alluri | 3.5 | 3 | ISO27001 LA |
| 5 | Mohit Khanna | 2 | 1.5 | CEH |
| 6 | Srinivasa Rao Elluri | 3 | 2 | CEH |

8. Specify Largest Project handled in terms of scope along with project value :

CRISIL was one such project which covered a wide range of applications and locations. Locations covered were Ahmedabad, Mumbai, Chennai, Hyderabad, Bengaluru, Kolkata, Gurgaon, Noida and Pune. The cost of the project is to be maintained confidential as a result of an agreement with the client.

Proposed engagement for the Security Testing at CRISIL included:

- Cycle 1: One set of tests with two iterations - Iteration one for Five (5) weeks and iteration two for Two (2) weeks.
- Cycle 2: Repeat of the above in one calendar year - Iteration one for Three (3) weeks and iteration two for Two (2) weeks.

As requested by CRISIL the Security Testing, conducted by us was an in-depth assessment of the target environment to identify inherent and potential vulnerabilities. Vulnerabilities were comprehensively scanned and identified to ensure and rectify deviations in the following aspects:

- Security as per Industry Best Practices and Target Organization Security Policies
- Resilient IT Infrastructure, Network Services and Ports
- Proper User Management, Authentication and Authorization
- Data Tamper, Data Deletion and Malicious input.
- Application Availability, Data Integrity and Confidentiality

As stated by CRISIL, the target environment in scope* shall include the following.

- 20 to 25 Network IP Addresses (PCs/Servers/Routers/Firewalls/IDS/IPS etc.)
- Windows, Solaris, Linux and HP Unix
- Altiris Patch Management Console from Symantec
- Symantec End Point Protection (Antivirus)
- 15 to 20 Internet (externally facing) Apps. (Around 9 Apps used by external vendors, 9 Apps used by respective vertical business groups and one Oracle Financials App)
- 15 to 20 Intranet (1 HRMS App and remaining are home grown internal apps)
- Asp.net, Java, VB.net and C#
- Application servers: Jboss, Weblogic, Apache & IIS
- Databases: Oracle, SQL & mySQL

9. List of Information Security Audit Tools used :

Commercial

- HP Web Inspect
- Burp Suite

Freeware

- Nmap - Port Scanner
- Paros Proxy - Web proxy for web application testing
- WinHex - Data Recovery and Forensics Tool
- Wireshark - network protocol analyzer for Unix and Windows
- Meta Sploit - Penetration Testing & Password cracking
- Web Scarab
- Maltego
- HTTPPrint - detect web server and version

10. Outsourcing of Project to External Information Security Auditors / Experts : **NO**

* Information as provided by **3i Infotech** on 24-05-2013

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**Snapshot of skills and competence of CERT-In empanelled
Information Security Auditing Organisation**

M/s AAA Technologies Pvt Ltd

1. Name & location of the empanelled Information Security Auditing Organization :

AAA Technologies Private Limited, Mumbai, Delhi, Bangalore, Lucknow

2. Carrying out Information Security Audits since : <Year>

3. Capability to audit , category wise (add more if required)

| | |
|--|-----|
| • Network security audit (Y/N) | Yes |
| • Web-application security audit (Y/N) | Yes |
| • Wireless security audit (Y/N) | Yes |
| • Compliance audits (ISO 27001, PCI, etc.) (Y/N) | Yes |
| • Formation and Review of IT Security Policy | Yes |
| • Information Security Testing | Yes |
| • Process Security Testing | Yes |
| • Application Audit and Security Testing including ERP Audit | Yes |
| • Physical Access Control | Yes |
| • Internet Technology Security Testing | Yes |
| • Communications Security Testing | Yes |

4. Information Security Audits carried out in last 12 Months :

| | | |
|---------|---|-----|
| Govt. | : | 518 |
| PSU | : | 60 |
| Private | : | 14 |

Total Nos. of Information Security Audits done :

5. Number of audits in last 12 months , category-wise (**Organization can add categories based on project handled by them**)

| | | |
|--|---|-----|
| Network security audit | : | 41 |
| Web-application security audit | : | 559 |
| Wireless security audit | : | 13 |
| Compliance audits (ISO 27001, PCI, etc.) | : | 41 |
| Others | : | 49 |

6. Technical manpower deployed for information security audits :

| | | |
|--|---|----|
| CISSPs | : | 3 |
| BS7799 / ISO27001 LAs | : | 20 |
| CISAs | : | 10 |
| DISAs / ISAs | : | 5 |
| Any other information security qualification | : | 29 |
| Total Nos. of Technical Personnel | : | 53 |

7. Details of technical manpower deployed for information security audits in Government and Critical sector organizations (attach Annexure if required)

| S. No. | Name of Employee | Duration with <organization> | Experience in Information Security | Qualifications related to Information security |
|--------|--------------------|---|------------------------------------|--|
| 1) | Anjay Agarwal | 13 | 19 | ISMS LA, CISA, ISA, CEH, ECSCA, LPT |
| 2) | Venugopal M. Dhoot | 12 | 11 | ISMS LA, ISA |
| 3) | Ruchi Agarwal | 9 | 9 | ISMS LA |
| 4) | Venugopal Iyengar | 7 | 17 | CISSP, ISMS LA, CISM, CISA |
| 5) | D.K.Agarwal | 10 | 11 | CISA |
| 6) | Vidhan Srivastav | 9 | 9 | CISSP, ISMS LA, |

| | | | | |
|-----|------------------------|-----------|----|--------------------|
| | | | | CISM, CISA, ISA |
| 7) | Abhijeet Gaikwad | 7 | 11 | CISA, ISMS LA |
| 8) | Supriya Moni | 2 | 3 | ISMS LA |
| 9) | Arun Mane | 2 | 4 | ISMS LA, CEH |
| 10) | Rajesh Sharma | 2 | 4 | ISMS LA, CEH |
| 11) | Vishnu Sharma | 2 | 4 | ISMS LA, CEH |
| 12) | Dhruv Shah | 2 | 4 | ISMS LA, CEH |
| 13) | Ravi Naidu | 3 | 5 | ISMS LA, CEH |
| 14) | Sagar Gupta | 2 | 4 | ISMS LA, DISA, CEH |
| 15) | Harpreet Singh Dhanjal | 8 Months | 3 | CEH |
| 16) | Bharati Pawar | 6 Months | 3 | CEH |
| 17) | Rahul Verma | 9 Months | 3 | ISMS |
| 18) | Nikhil Indurkar | 11 Months | 3 | ISMS |

8. Specify Largest Project handled in terms of scope (in terms of volume, complexity, locations etc.) along with project value.

Consultancy for Implementing ISO 27001 for 17 Data Centers across India including Vulnerability Assessment and Penetration Testing for Rs. 54.57 Lakhs

9. List of Information Security Audit Tools used (commercial/ freeware/proprietary):

Commercial

- i. Acunetix
- ii. Core Impact
- iii. Nessus Pro
- iv. Nipper
- v. Burp Suite

Freeware

- i. Nmap
- ii. DOMTOOLS - DNS-interrogation tools
- iii. Nikto - This tool scans for web-application vulnerabilities
- iv. Firewalk - Traceroute-like ACL & network inspection/mapping
- v. Hping - TCP ping utility
- vi. Dsniff - Passively monitor a network for interesting data (passwords, e-mail, files, etc.). facilitate the interception of network traffic normally unavailable to an attacker
- vii. HTTrack - Website Copier
- viii. Tools from FoundStone - Variety of free security-tools
- ix. SQL Tools - MS SQL related tools
- x. John - John The Ripper, Password-cracking utility
- xi. Paros - Web proxy for web application testing
- xii. Wikto - Web server vulnerability assessment tool
- xiii. Back Track
- xiv. Meta Sploit
- xv. Ethereal - GUI for packet sniffing. Can analyse tcpdump-compatible logs
- xvi. NetCat - Swiss Army-knife, very useful
- xvii. Hping2 - TCP/IP packet analyzer/assembler, packet forgery, useful for ACL inspection
- xviii. Brutus - password cracking for web applications, telnet, etc.
- xix. WebSleuth - web-app auditing tool
- xx. HTTPPrint - detect web server and version
- xxi. OpenVas

- xxii. W3af
- xxiii. Owasp Mantra
- xxiv. Wire Shark
- xxv. Ettercap
- xxvi. Social Engineering Tool Kit
- xxvii. Exploit database
- xxviii. Aircrack-ng
- xxix. Hydra
- xxx. Directory Buster
- xxxi. SQL Map
- xxxii. SSL Strip
- xxxiii. Hamster
- xxxiv. Grimwepa
- xxxv. CAIN & Able
- xxxvi. Rips
- xxxvii. Iron Wasp
- xxxviii. Fiddler
- xxxix. Tamper Data

Proprietary

- i. AAA - Used for Finger Printing and identifying open ports, services and misconfiguration

10. Outsourcing of Project to External Information Security Auditors / Experts : Yes/No
NO (If yes, kindly provide oversight arrangement (MoU, contract etc.))

*Information as provided by **AAA Technologies Private Limited** on **12/11/2013**

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**Snapshot of skills and competence of CERT-In empanelled
Information Security Auditing Organisation**

M/s Aegis Tech. Ltd.

1. Name & location of the empanelled Information Security Auditing Organization :

Aegis Tech. Ltd.
Equinox Business Park, Tower A (Peninsula Techno Park),
Off. Bandra Kurla Complex, LBS Marg, Kurla West,
Mumbai, Maharashtra, 400070
+91 22 66617272
info[at]agcnetworks.com

2. Carrying out Information Security Audits since : 12 Years

3. Capability to audit , category wise (add more if required)

- Network security audit Yes
- Web-application security audit Yes
- Wireless security audit Yes
- Compliance audits (ISO 27001, PCI, etc.) Yes

4. Information Security Audits carried out in last 12 Months :

Govt. : 2
PSU : 2
Private : 100+
Total Nos. of Information Security Audits done : 100+

5. Number of audits in last 12 months , category-wise

Network security audit : 60+
Web-application security audit : 20+
Wireless security audit : 10+
Compliance audits (ISO 27001, PCI, etc.) : 10+

6. Technical manpower deployed for information security audits :

CISSPs : 3
BS7799 / ISO27001 LAs : 13
CISAs : 6
CEH : 6
Any other information security qualification :
OSCP:1, ISO 20000:8, BS25999:8, ECSCA:1, C|CISO:1.
Total Nos. of Technical Personnel : 17

7. Details of technical manpower deployed for information security audits in Government and Critical sector organizations (attach Annexure if required)

| S. No. | Name of Employee | Duration with <AGC Networks Ltd.> | Experience in Information Security | Qualifications related to Information security |
|--------|------------------|-----------------------------------|------------------------------------|---|
| 1 | Consultant 1 | 4 Years | 20 Years | CISA,ISO 27001,ISO 20000,BS 25999,CGEIT,CRISC,CDCP |
| 2 | Consultant 2 | 3 Years | 11 Years | CISA,CISSP,ISO 27001,CISM,CRISC,MBA,Cobit, BCCP, CSM, AES.CISO (EC Council) |
| 3 | Consultant 3 | 4 Years | 18 Years | CISSP,CISM,CRISC,C CISO |
| 4 | Consultant 4 | 4 Years | 4 Years | ISO 27001,ISO 20000,BS 25999,ITIL |
| 5 | Consultant 5 | 3.5 Years | 7 Years | ISO 27001,ITIL |
| 6 | Consultant 6 | 3 Years | 6 Years | CISSP,ISO 27001,ISO 20000,BS 25999,ITIL,CEH, |

| | | | | |
|----|---------------|----------|-----------|--|
| 7 | Consultant 7 | 3 Years | 18 Years | CISA,ISO 27001,ISO 20000,BS 25999,CISM,ISO 9000 |
| 8 | Consultant 8 | 3 Years | 15 year | ISO 27001,ISO 20000,BS 25999,ITIL,CEH,ECSA |
| 9 | Consultant 9 | 3 Years | 6 Years | ISO 27001,ISO 20000,BS 25999,ITIL,CEH |
| 10 | Consultant 10 | 3 Years | 6 Years | ISO 27001,ISO 20000,BS 25999,ITIL,CEH |
| 11 | Consultant 11 | 2 Years | 7 Years | CISA,ISO 27001,CISM |
| 12 | Consultant 12 | 3 Years | 7 Years | ISO 27001,ISO 20000,BS 25999,CEH |
| 13 | Consultant 13 | 3 months | 1.5 year | CISA |
| 14 | Consultant 14 | 2 Month | 1.5 Years | OSCP |
| 15 | Consultant 15 | 3 month | 1.5 Years | CISA,ISO 27001, MSc. Computers Science |
| 16 | Consultant 16 | 9 Month | 6 Years | Technical Specialist in Symantec Security Information Manager 4.5, Trend Micro Security Certification (TSCP) |
| 17 | Consultant 17 | 5 Years | 12 Years | ISMS and IT Management |

8. Specify Largest Project handled in terms of scope (in terms of volume, complexity, locations etc.) Along with project value.
Vodafone India, IBM India, Vedanta Group, Aditya Birla Group, Aegis Tech.

9. List of Information Security Audit Tools used (commercial/ freeware/proprietary):

Freeware Tools

NMAP - Port Scanning
Netcat - Network Utility
Telnet Client - Network Utility.
Putty - Network Utility
SNMPWalk - SNMP Scanner
John The Ripper - Unix and NT password Cracker
WireShark - network protocol analyzer for Unix and Windows.
Snort - network intrusion detection system for UNIX and Windows.
MetaSploit - Exploitation Framework
Backtrack - Exploitation Framework.
Wget - Network Utility
Netstumbler - Detection of Wireless LANs
Others

Commercial Tools

Acunetix - Web Vulnerability Scanning Tool
Qualys Guard- Vulnerability Assessment Tool
Proprietary Tools
Nil

10. Outsourcing of Project to External Information Security Auditors / Experts : No
(If yes, kindly provide oversight arrangement (MoU, contract etc.))

*Information as provided by **AGC Networks Ltd.** on 16th May 2013

**Snapshot of skills and competence of CERT-In empanelled
Information Security Auditing Organisation**

M/s AUDITime Information Systems (India) Limited

1. Name & location of the empanelled Information Security Auditing Organization :

AUDITime Information Systems (India) Limited

Registered Address:

A-504, Kailash Esplanade,

LBS Marg, Ghatkopar (W)

Mumbai 400 086

Tel: 25006880/1

Fax: (022) 40508230

Communication & Correspondence Address:

A-101, Kailash Industrial Complex,

Park Site, New Hiranandani Road

Vikhroli (West), Mumbai 400079)

Tel.: (022) 40508200

Fax: (022) 40508230

2. Carrying out Information Security Audits since : 12 Years

3. Capability to audit , category wise (add more if required)

| | | |
|---|---|-----|
| • Network Security Audit | : | Yes |
| • Web Application Security Audit | : | Yes |
| • Wireless Security Audit | : | Yes |
| • Compliance Audits (ISO27001, PCI, etc.) | : | Yes |
| • IT Policy Drafting | : | Yes |
| • IT Risk Assessment | : | Yes |

4. Information Security Audits carried out in last 12 Months :

| | | |
|--|---|----|
| Govt. | : | 6 |
| PSU | : | 2 |
| Private | : | 33 |
| Total Nos. of Information Security Audits done | : | 41 |

5. Number of audits in last 12 months , category-wise

| | |
|--|----|
| Network Security Audit | 6 |
| Web-Application Security Audit | 3 |
| Compliance Audits - ISO 27001 | 1 |
| Compliance Audits - SOX IT General Control Testing | 1 |
| Regulatory Compliance Audits - Exchange Members Annual Compliance System Audit, etc. | 22 |
| Regulatory Compliance Audits - CVC Guidelines Compliance Audit | 1 |
| Application Audit | 2 |
| Billing Audit | 1 |
| IT Consultancy Projects - Consultancy for CBS, Data Migration and Load Testing | 1 |
| Pre & Post Migration Audit of Core Banking Solution | 1 |
| Payment Gateway Audit | 1 |
| Third Party Security Audit | 1 |

| | |
|-------------------------|-----|
| Wireless Security Audit | Nil |
| Total | 41 |

6. Technical manpower deployed for information security audits : Refer [Annexure I](#)

Total Nos. of Technical Personnel: 18 Nos.

7. Details of technical manpower deployed for information security audits in Government and Critical sector organizations Refer [Annexure II](#)

8. Specify Largest Project handled in terms of scope (in terms of volume, complexity, locations etc.) Along with project value. Refer [Annexure_III](#) & Purchase order copies attached.

| S. No. | Client Name | Scope Title | PO Value |
|--------|--|--|----------------|
| 1 | Federal Bank | IS Audit of Branches | Rs.33,25,000/- |
| 2 | Infocepts Technologies Pvt. Ltd. | <ul style="list-style-type: none"> • ISO 27001 & SAS 70 controls Preparation • Training one batch of ISMS Internal Audit | Rs.6,00,000/- |
| 3 | Hindustan Petroleum Corporation Limited. (IBM) | <ul style="list-style-type: none"> • ISO 27001 Implementation • Quarterly vulnerability Assessment & Penetration Testing • Security Operation Centre Management • ISMS and Information Security Awareness Training | Rs.64,00,000/- |
| 4 | Bayer Business Services | IBM Rational Appscan & Consultancy Services of Intranet Web Application Vulnerability Assessment | Rs.17,38,810/- |
| 5 | Vijaya Bank | IS Audit of Core Banking Solution | Rs.7,90,000/- |
| 6 | Andhra Bank | IS Audit of Critical Areas in CBS | Rs.3,00,000/- |
| 7 | Andhra Bank | IS Audit of Smart Card Project for Government Benefit Distribution | Rs.4,50,000/- |
| 8 | The Oriental Insurance Co. Ltd. | Comprehensive Audit of CBS Application and Data Migration Audit | Rs.99,27,000/- |

9. List of Information Security Audit Tools used (commercial/ freeware/proprietary): Refer [Annexure IV](#)

10. Outsourcing of Project to External Information Security Auditors / Experts : No

(If yes, kindly provide oversight arrangement (MoU, contract etc.))

Information as provided by **AUDITime Information Systems India Limited** on 22nd May 2013

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ANNEXURE – I

| S. No. | Employee Name | Designation | Certification |
|---------------|---------------------------|----------------------|---|
| 1. | Mr. Paresh Desai | Managing Director | CA, CISA, CISM, CGEIT |
| 2. | Mr. Madhav Bhadra | Director | CA, CISA, CISM |
| 3. | Mr. Chetan Maheshwari | Director | CA, CISA, CISM, CRISC |
| 4. | Mr. Deepesh Chitroda | Asst. Vice President | CEH, CHFI, ECSA, CCISO, CCSECA, IBM |
| 5. | Ms. Dhruti Patel | Asst. Vice President | CISA |
| 6. | Mr. Narendra Singh Badwal | Asst. Vice President | CISA, LA27001 |
| 7. | Mr. Ritesh Kotecha | Asst. Vice President | CA, CISA |
| 8. | Mr. Deval Kapadia | Asst. Vice President | CISA |
| 9. | Ms. Jayabharthi M. | Sr. Manager | CISA, CISM, CISSP, LA27001, CEH |
| 10. | Mr. Hiren Shah | Sr. Manager | LA27001 |
| 11. | Mr. Shomiron Dasgupta | Sr. Manager | CISA, CISSP, LA27001, CEH |
| 12. | Mr. Balamurugan | Sr. Manager | CISA, CISM, CISSP, LA27001, CEH |
| 13. | Mr. Deepak Yadav | Manager | CISA, CS-MARS, CSM, CEISB, CCSA, CCNA |
| 14. | Ms. Swati Dhamale | Audit Executive | GNIT |
| 15. | Mr. Adish Karkare | Audit Executive | CISA, LA27001, CEH, SWAT, RHCE, JNCIA-SEC, CCSA |
| 16. | Mr. Nikhil Parashar | Audit Executive | CEH |
| 17. | Mr. Satyasandeep | Audit Executive | JNCIA-SEC, CCNA, MCSA |
| 18. | Mr. Laxmi Narayan | Audit Executive | CEH, CCNA |

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ANNEXURE – II

Details of technical manpower deployed for information security audits in Government and Critical sector organizations

| S. No | Name of Employee | Duration with <organization> | Experience in Information Security | Qualifications related to Information security |
|-------|-----------------------|------------------------------|------------------------------------|---|
| 1 | Deepesh Chitroda | +7.5 Years | Yes. + 13 years | <ul style="list-style-type: none"> • Certified Ethical Hacker (CEH) • Computer Hacking Forensic Investigator (CHFI) • Eccouncil Certified Security Analyst (ECSA) • Certified Chief Information Security Officer (CCISO) • Cambridge Certified Security Associate (CCSECA) • IBM Technical Professional • Jetking Certified Hardware & Networking Professional |
| 2 | Jaya Bharathi M. | +5 years | Yes. + 24 years | <ul style="list-style-type: none"> • MCA • Post Graduate Diploma in Computer Applications (PGDCA) • ISO 27001 implementer and lead auditor • CEH • CISA • CISM • CISSP |
| 3 | Hiren L Shah | +6 years | Yes. + 9 years | <ul style="list-style-type: none"> • ISO27001 Implementer |
| 4 | Deepak Yadav | +2.5 years | Yes. | <ul style="list-style-type: none"> • MCA • CISA • ITIL V3 Foundation Certification • CCSA • CCNA • CEISB • CSM • CS-MARS |
| 5 | N Lakshmi Narayana | +1.5 years | Yes. | <ul style="list-style-type: none"> • CCNA • CEH • Post Graduate Diploma in Networking & Telecommunications • Bachelor of Technology in Electronics & Communications |
| 6 | Swati Prakash Dhamale | +1.5 years | Yes. +3.5 years | <ul style="list-style-type: none"> • GNIIT |
| 7 | S. Satyasandeep | +1.5 years | Yes. | <ul style="list-style-type: none"> • B.Tech • CCNA • JNCIA • MCSA |
| 8 | Adish Karkera | +1 years | Yes. +7 years | <ul style="list-style-type: none"> • B.E., • CISA • LA 27001 Implementer • Certified Ethical Hacker • Star Web Application Security • Red Hat Certified Engineer • Juniper Networks Certified Internet Specialist • Check Point Certified Security Administrator |
| 9 | Nikhil Parasher | +0.5 years | Yes. +2.5 years | <ul style="list-style-type: none"> • B. Tech - IT |

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Specify Largest Project handled in terms of scope (in terms of volume, complexity, locations etc.) Along with project value.

| Sr. No. | Client Name | Project Title | Particulars of Projects |
|---------|------------------------|-------------------------------|---|
| 1. | Federal Bank | Branch IS Audit | <p>IS Audit of Branches</p> <ul style="list-style-type: none"> • Finacle and related applications such as ATM and other payment systems, interfaces to CBS etc. • Internet Banking • Mobile / Tele Banking • HR software (peoplesoft) • Email • Treasury - LaserTX • We covered all the key applications under IS Audit • Finacle and related applications such as ATM and other payment systems, interfaces to CBS etc. • Internet Banking • Mobile / Tele Banking • HR software (peoplesoft) • Email • Treasury - LaserTX <p>Scope includes</p> <ol style="list-style-type: none"> 1. IS Audit of Application Controls - Evaluating the adequacy and effectiveness of controls in a particular application 2. IT Environment Review - Evaluation of controls addressing the general risks associated with the operation of information technology viz. change control, disaster recovery, physical upkeep of the surroundings such as cleanliness, physical access to the computers, fire-fighting readiness, etc.; 3. IT Technical Review - Evaluation of the network architecture and the vulnerability of the IS environment to the risks such as unethical hacking, etc. <ul style="list-style-type: none"> a) Information System Security Policy (ISSP) b) Implementation of ISSP c) Physical Access Controls d) Operating System Controls e) Database controls f) Network Management g) IS Audit Guidelines |
| 2. | Infocepts Technologies | • ISO 27001 & SAS 70 controls | <p>I. PREPARATION FOR ISO 27001 ISMS</p> <ol style="list-style-type: none"> 1. Ascertaining structure of organization and scope of |

| Sr. No. | Client Name | Project Title | Particulars of Projects |
|---------|-------------|--|---|
| | Pvt. Ltd. | Preparation • Training one batch of ISMS Internal Audit | <p>Information Security (IS) requirement</p> <p>2. Establishing the extent of compliance with the mandatory requirements of ISO/IEC 27001</p> <p>3. Using 133 controls listed in ISO/IEC 27002 (the Code of Practice) as a framework, Identifying preliminary GAPs in Information Security controls in place within the organization</p> <p>4.ISMS Over Training and IS Security Awareness Training</p> <p>5. Assessing Policy / Procedures / Technical IS improvements that would be necessary to achieve compliance with the ISO/IEC 27001 standard</p> <p>6. Report on findings of GAP Analysis and make recommendations for remedial action / strategy to achieve compliance requirements of ISO/IEC 27001</p> <p>7. Assistance in Stage I & II Audit</p> <p>II. SECURITY AWARENESS TRAINING FOR 300 EMPLOYEES</p> <p>1. Information Security and its Concepts</p> <p>2.Company's IT Security Policies</p> <p>3.Countermeasures against IT Risks and Threats</p> <p>III. PERIODIC AUDIT – 6 AUDITS</p> <p>Covering Core Three IT Domains:</p> <ul style="list-style-type: none"> • IT Management Controls • Certification, Accreditation and Security Assessment • Planning • Risk Assessment • System and Services Acquisition • IT Operations Controls • Awareness and Training • Configuration Management • Contingency Planning • Incident Response • Maintenance • Media Protection • Physical and Environmental Protection • Personnel Security • System and Information Integrity • IT Technical Controls • Access Controls • Audit and Accountability • Identification and Authentication • System and Communications Protection |

| Sr. No. | Client Name | Project Title | Particulars of Projects |
|---------|---|--|--|
| | | | <p>IV. SAS 70 TYPE II AUDIT PREPARATION</p> <p>Analysis of existing control structure Gap identification. Documentation and training on SAS 70 controls Internal audit of SAS 70 requirements Support during SAS 70 Type 2 Audit</p> |
| 3. | Hindustan Petroleum Corporation Limited | <ul style="list-style-type: none"> • ISO 27001 Implementation • Quarterly vulnerability Assessment & Penetration Testing • Security Operation Centre Management • ISMS and Information Security Awareness Training | <p>Security assessment of HPCL's web site jobs.hpcl.co.in as per the following vulnerabilities indicated by open web application security project (OWASP).</p> <ol style="list-style-type: none"> a. Cross site scripting (XSS). b. Broken authentication and session management. c. Insecure direct object references. d. Cross site request forgery. e. Security misconfiguration. f. Failure to restrict URL access g. Invalidated redirects and forwards. h. Injection flaws. i. Insufficient transport layer protection. <p>2. Gap analysis report of the application as compared to the Application Security best practices suggested by OWASP.</p> <p>3. Provide specific remediation / mitigation recommendations to the gaps identified. The recommendations would suggest implementable solutions, which would mitigate the application security risk. Remediation Recommendations will be implemented by HPCL.</p> <p>4. After implementing mitigation recommendation by HPCL, Vendor will again do the security assessment and provide the required compliance certificate to HPCL.</p> <p>5. During the remediation phase Vendor will provide support for implementing remediation measures suggested</p> <p>6. Information related to HPCL website will be provided by HPCL</p> |
| 4. | Bayer Business Services | IBM Rational | To provide Internal Vulnerability Assessment Service for Internal / Intranet Web Based Applications |
| 5. | Vijaya Bank | IS Audit of Core Banking Solution | <p>1. Introduction</p> <p>1.1. Core Banking Application Suite</p> <p>As on 31-12-2011 there are 1417 service outlets including branches, extension counters and offices on the Core Banking Platform using the 'Finacle' solution of M/s. Infosys Technologies Limited (and 669 networked ATM's). The following application packages have been covered under the Core Banking Solutions Project.</p> <ol style="list-style-type: none"> i. Core Banking Solution ii. Trade Finance solution iii. Internet Banking solution iv. Government Business Module v. New products and services such as Electronic Bill Payments, Pilgrimage services, Electronic Ticketing, Collection / Payment services, Utility Bill Payment etc as part of the Internet Banking Services. vi. Availability of interfaces of the following modules with the Core Banking Solutions:- <ol style="list-style-type: none"> a. Anti-money laundering solution b. Credit appraisal solution – RLOS & CLAPS c. Customer Relationship |

| Sr. No. | Client Name | Project Title | Particulars of Projects |
|------------|-------------|---------------|--|
| | | | <p>Management Solution</p> <p>d. Internally developed and outsourced /procured third party systems</p> <p>e. ATM Interfaces</p> <p>f. Mobile Banking – SMS / WAP</p> <p>g. Tele Banking Solution</p> <p>1.2. Products and Services</p> <p>The Bank has a rich portfolio of Deposits, Loans, Remittances, Bills, Foreign Exchange Business and other fee based products. An illustrative list is given below.</p> <p>i. Demand deposits (Domestic as well as foreign currency)</p> <ul style="list-style-type: none"> • Current Deposits • Savings Bank Deposits • Flexi deposits • Capital Gains Deposits • NRO/NRE Deposits <p>ii. Time deposits</p> <ul style="list-style-type: none"> • Fixed deposits • Simple interest • Cumulative interest • Units Based Deposits • FCNR/NRE/NRO • Capital Gains • Recurring deposits (Domestic) • Fixed installment • Variable installment • Daily Deposits <p>iii. Working Capital Finance</p> <ul style="list-style-type: none"> • Cash credit accounts against stocks and book debts (CCH) • Cash credit against Immovable Properties and Govt. Securities (CCM) • Packing Credit/Export Finance • Post Shipment Credit • iv. Term Lending (Domestic as well as foreign currency) <ul style="list-style-type: none"> • Short term • Medium Term • Long Term • Consortium/Syndicated Loans <p>v. Trade Finance – non-fund based</p> <ul style="list-style-type: none"> • Letter of credit • Bank Guarantee • Deferred Payment <p>vi. Bills Business</p> <ul style="list-style-type: none"> • Collection of bills and cheques - Inward and outward • Purchase/Discounting of sales/drawee bills (clean and documentary) / Cheques • Bills Related Advances • Retail Loans <ul style="list-style-type: none"> • Vehicle loans – Simple Interest, Compound Interest & EMI Based facilities. • Housing loans – Simple Interest, Compound Interest, & EMI Based facilities. • Consumer loans - EMI Based facilities. • Education loans–Simple Interest, Compound Interest & EMI Based facilities. • Personal loans - EMI Based facilities. • Schematic Lending Activities |

| Sr. No. | Client Name | Project Title | Particulars of Projects |
|------------|-------------|---------------|---|
| | | | <ul style="list-style-type: none"> • Product based loans like V-Equip, V-Cash, V-Rent – EMI Based etc. • Commercial Loans to Trade/Industry/Service/Profession <p>viii. Industrial/Corporate Loans</p> <p>ix. Remittances</p> <ul style="list-style-type: none"> • Demand Draft – Issue/payment • Banker's Cheque/Pay Orders – Issue/Payment • Fund Transfer – NEFT/RTGS • Inter-branch Transactions – originating/responding <p>x. Government Business</p> <ul style="list-style-type: none"> • Pension payments (State / Central / Railways) • Direct Tax collection • RBI Relief Bonds • Indirect Tax - Excise <p>xii. Miscellaneous Services</p> <ul style="list-style-type: none"> • Locker Services • Merchant Banking Services • Dividend/Interest/Refund Warrants • Agency Arrangement with other Banks <p>1.3. Modules in core banking</p> <ul style="list-style-type: none"> • Savings Products • Current Products • Overdraft Products • Cash Credit Products • Term Deposits Products • Term Loans Products • Inland Bills Products • Foreign Bills Products • Trade Finance Activities • Forward Contracts • Remittance Products • Packing Credit Products • Service Branch Functions • Government Business Products • Various Office Accounts Functions <p>2. AUDIT OBJECTIVE</p> <p>2.1. The Bank is presently using the 'Finacle' (Version 7.0.13) Core Banking Solution of M/s. Infosys Technologies which was earlier audited by one of the IS Auditors, during the year 2007-2008. The Bank proposes to migrate to Version 7.0.25 of Finacle Core banking Solution. The Bank wishes to appoint a competent Service Provider (SP) for conducting Information Systems (IS) Audit of the Core Banking application, as per the scope defined elsewhere, before moving this version to the production systems. IS audit shall, inter-alia, include the following activities:-</p> <p>a) Confidentiality, integrity and availability of the applications</p> <p>b) Perform required functionality test of the application to test the end-to-end functionality and its usage</p> <p>c) The security / controls are efficient and effective in the Core Banking application.</p> <p>d) To get independent assurance over effectiveness of controls exercised by out-sourced Service providers for technology services</p> <p>e) IT operations are carried out in a controlled environment</p> |

| Sr. No. | Client Name | Project Title | Particulars of Projects |
|------------|-------------|---------------|--|
| | | | <p>3. SCOPE OF IS AUDIT PROJECT: The Bank expressly stipulates that the SP's selection under this RFP is on the understanding that this RFP contains only the principal provisions for the entire assignment and that delivery of the deliverables and the services in connection therewith are only a part of the assignment. The SP shall be required to undertake to perform all such tasks, render requisite services and make available such resources as may be required for the successful completion of the entire assignment as per the fulfillments / deliverables required in the RFP.</p> <p>The SP's involvement is expected to be spread across a period of, at least, 60 days from the date of commencing the audit.</p> <p>3.1. Service Provider has to cover the following aspects while auditing the CBS application:-</p> <p>A. Functionality perspective:</p> <ul style="list-style-type: none"> ○ Service provider shall take into account Final Audit Report of the earlier auditor for current version, who have conducted earlier IS audit, as one of the inputs. ○ Study the implemented functionality of the Core Banking Application as per the scope of this audit tender. ○ Perform Application Functionality & Controls Review ○ Development of suitable testing methodology / testing strategy document ○ Conduct various tests to verify existence and effectiveness of the controls for all functionalities, schemes and products supported by the applications under review ○ Perform a test of controls and functionality setup in the Finacle core banking application. ○ Identify ineffectiveness of the intended controls in the software and analyze the cause for its ineffectiveness ○ Controls over automated processing /updates of records, review or check of critical calculations such as interest rates, etc., review of the functioning of automated scheduled tasks, output reports design, reports distribution, etc. ○ Audit-ability both at client side and server side including sufficiency and accuracy of event logging, SQL prompt command usage, Database level logging etc. ○ Extent of parameterization. ○ Internal control built in at application software level, database level, server and client side ○ Backup/Fallback/Restoration procedures and contingency planning. ○ Suggestion on segregation of roles and responsibilities with respect to application software to improve internal controls. ○ Adequacy, Accuracy, Data Integrity of the MIS Reports and Audit Reports ○ Manageability with respect to ease of configuration, transaction roll backs, time taken for end of day, day begin operations |

| Sr. No. | Client Name | Project Title | Particulars of Projects |
|------------|-------------|---------------|--|
| | | | <p>and recovery procedures</p> <ul style="list-style-type: none"> ○ Special focused audit is to be made on following items:- ○ Hard coded & Virtual user-id and password ○ Interfaces with CBS software of many other applications / services both in house and third party systems / solutions – security, confidentiality, integrity , accuracy and non-repudiation of the data between systems ○ Recovery and restart procedures ○ Review of customizations done to the software and the SDLC policy followed for such customizations. ○ Proposed change management procedure during conversion, migration of data, version control, application replication, etc. ○ Suggest any application specific Audit tools or programs ○ Adequacy of Audit trails and Logs ○ Adherence to Legal and Statutory Requirements. <p>B. Controls perspective</p> <p>As part of the scope, following controls have to be thoroughly analyzed</p> <ul style="list-style-type: none"> a. Input Controls b. Output Controls c. Processing Controls d. Interface controls e. Authorization controls f. Data integrity g. Database controls h. Volume Test i. Server Controls – Application, Web, Database, Firewall, etc. j. Backup/ Fall Back/Restoration Procedures k. Authentication mechanism l. Security checks/controls m. Access controls & Logical Access Controls n. Operating system controls o. Management controls p. Change Management <ul style="list-style-type: none"> i. Incident Management ii. Logs management q. Aspects related to Segregation of Duties r. Adequacy of audit trails s. Adherence to legal, statutory requirements <p>1.20 Performance controls</p> <p>1.21 Controls on Parameter Setup /Verification/Testing, etc.,</p> <p>1.22 Regression Testing</p> <p>1.23 Prevalence of proper version controls</p> <p>C. Security Controls perspective:-</p> <p>Application Security Controls Review inter-alia, cover following:-</p> <ul style="list-style-type: none"> a) Review the application security setup supported by the Finacle core banking solution to ensure : b) Access level controls are appropriately built into the application i. Only authorized users should be able to edit, input or update data in the application. i. Access on a 'need-to-know' and 'need to-do basis' i. Appropriate user maintenance and password policies being followed b. Benchmark the application security parameters |

| Sr. No. | Client Name | Project Title | Particulars of Projects |
|---------|-------------|-----------------------------------|---|
| | | | <p>and setup to the Bank's Security Policy and leading practices</p> <p>c. Identify gaps in the application security parameter setup in line with the bank's security policies and leading practices</p> <p>d. Provide a report highlighting gaps in application security controls with options for improving application security.</p> <p>e. Provide a report highlighting the gaps in the application security setting with respect to the security policy defined by the Bank</p> <p>3.2. Review: After first audit there may be some modifications required as per suggestions. Once these are implemented over a period of two months, auditor has to review the system again and give review audit report.</p> <p>3.3. General: No module or segment should be left out on the plea that it is not specifically mentioned under the scope. However, the Bank reserves its right to change the scope of the RFP considering the size and variety of the requirements and the changing business conditions</p> <p>4. Deliverables:</p> <ul style="list-style-type: none"> • Audit Plan and procedure for each of the CBS application packages as per the scope. • Interim report covering all the points as mentioned under the Scope of Work including specific observations on the previous IS Audit Report. All observations will be thoroughly discussed with the process owners before the finalization of the report • Final Audit reports with sign off by the Bank and the Service Provider IS Auditor. (To be submitted within 6 working days of completion of audit and the report should be submitted in soft copy as word document and pdf format document besides a signed hardcopy). This should also include report on the regression test. The Final report shall , inter-alia, contain:- <ul style="list-style-type: none"> ○ Present status of the pending observations of the previous audit. ○ List of bugs found and key functionalities not supported, as per the current audit assignment, segregating them as 'Critical', 'Medium' and 'Minor'. ○ List of enhancements required & feasibility analysis of these requirements in the CBS. ○ Suggestions for improvement in the performance of the software audited. ○ Report highlighting gaps in input, processing and output controls with recommendations to remedy the gaps. ○ Screen Dumps of testing and testing reports ○ Security Process Audit Report and recommendations against best practices • Report on Risk Analysis and Risk Mitigation Methodologies <ul style="list-style-type: none"> • Review Audit Report – covering the latest status at the time of review, of all the observations made in the Final Audit Report. |
| 6. | Andhra Bank | IS Audit of Critical Areas in CBS | <p>Sl. No</p> <p>1 Proper maintenance of Visitor Register at the DIT Main Entrance</p> <p>2 The Data Center is installed with Surveillance System to monitor the movement of the personnel and activities in and out of the data center. The continuity of the recording is ensured at periodic intervals.</p> <p>3 Maintenance of Access Permissions and Register for entry into</p> |

| Sr. No. | Client Name | Project Title | Particulars of Projects |
|---------|-------------|---------------|---|
| | | | <p>Data Center.</p> <p>4 Access to Internet, Limited access vs Unlimited access etc.,</p> <p>5 Whether users with administrative privileges are forced to change password at periodical interval .</p> <p>6 Whether user management standard operating procedure are in place and the same are being followed</p> <p>7 Maintenance of Users List (Active Directotry), disabling redundant users, periodical review of Users etc.,</p> <p>8 Periodical review of activities of privileged users.</p> <p>9 Adequacy of procedures followed at the time of providing access to Data Center and other sensitive areas.</p> <p>10 IT Asset Management - Maintenance and Review of IT Assets database.</p> <p>11 Maintenance of documents and records with respect to Hardware.</p> <p>12 Comprehensive Insurance covering for critical IT Assets</p> <p>13 UPS for backup supply of electricity including batteries.</p> <p>14 Whether Air-conditioning, ventilation and humidity control was found adequate and the same is monitored and reviewed on a regular intervals.</p> <p>15 Installation of Smoke Detector / Heat rise / hot spots detectors.</p> <p>16 Whether the installation of Hub / Switches in the Data Center are adequately secured</p> <p>17 Maintenance of Backup Media, Safe Keeping, Proper Indexing and Storage,</p> <p>18 Logs and Audit Trails in Finacle</p> <p>19 Whether VAPT is conducted periodically on various surrounding applications</p> <p>20 Service Level defined for Helpdesk Management as well as for Call Center Management was reviewed and where details pertaining to average time of resolution, abandon calls, first call resolution, cycle time rate, etc. was recorded.</p> <p>21 Carrying electronic devices in to the Data Centre.</p> <p>22 Whether patches issued by OEM are analysed and same is applied after satisfactory test are conducted before entering into production.</p> <p>23 Assets Management, Configuration Management, Problem Management and Change Management using HP OVSC</p> <p>24 Whether DR drills are conducted periodically</p> <p>25 Whether the change management processes are in place and the same are being followed</p> <p>26 Whether proper approvals are in place for emergency / show-stopper changes</p> <p>27 System event logs of the application server logs monitoring using log logic;</p> |

| Sr. No. | Client Name | Project Title | Particulars of Projects |
|---------|-------------|---------------|---|
| | | | <p>28 Use of IBM ISS Internet Scanner for the vulnerabilities</p> <p>29 Vulnerability scanning</p> <p>30 Working of CSA (HIDS) in the servers</p> <p>31 Maintenance and periodical updation of network design, security controls etc.,</p> <p>32 Application of patches in accordance with the defined change management process</p> <p>33 Verification of loading of latest Service Packs on Critical Servers.</p> <p>34 Existence of default OS Accounts</p> <p>35 Whether audit trail policy is enabled with Success and Failure for Account Logon Event, Directory Services Access and System Events., Account Management, Object Access and Policy Change.</p> <p>36 Whether the shared folders are permitted with Everyone - Full Control, Access to the shared folders should be granted only to the authorized users and necessary procedures for sharing of folders on the network are properly documented.</p> <p>37 Whether USB Drive, Floppy Drive and CD-ROM are disabled on Admin Nodes.</p> <p>38 Loading of unauthorised applications on the systems.</p> <p>39 Loading of Antivirus Software, periodical updating of versions, sample checking etc.,</p> <p>40 Enabling IPSec is which is used for data transmission through remotely.</p> <p>41 Whether the Backup of router as well as firewall (Core Switch) configuration is taken on a weekly basis and the same is not stored at offsite location,</p> <p>42 Whether all Access Control Entries (ACEs) should be configured to log..</p> <p>43 Periodical review of Access Lists configured in the Firewall</p> <p>44 Internet Banking - Segregation of duty between Information Security (IS) team and Implementation team</p> <p>45 Appointment of network and database administrator and clear allocation of roles and responsibilities.</p> <p>46 Web application errors justification for any critical information being exposed to external world.</p> <p>Interest and Charges Verification</p> <p>47 Verification of charges on a random sample basis</p> <p>Charges on cheque book issue</p> <p>Cheque return charges</p> <p>Account closure within 12 months</p> <p>Account closure after 12 months</p> <p>Stop Payment charges</p> <p>Inward / outward clearing reject charges</p> <p>Charges for violating Minimum Balances for Metro and Rural Branches</p> <p>Cash Remittance Charges</p> <p>DD cancellation charges</p> <p>Duplicate statement charges</p> |

| Sr. No. | Client Name | Project Title | Particulars of Projects |
|---------|---------------------------------|--|--|
| | | | <p>ABB Charges</p> <p>Cash handling charges</p> <p>Speed clearing Charges</p> <p>48 Term Deposits - verification on a random sample basis</p> <p>Interest Application</p> <p>Charges Application</p> <p>49 Advances - verification on random sample basis</p> <p>Monthly and Quarterly interest calculation on advances</p> <p>Appraising Charges for gold loans</p> <p>Processing charges for housing loans, mortgage loans, kisan sampatti loans etc.</p> <p>Upfront fee for Term Loans</p> <p>Upfront fee for Agriculture Term Loan</p> <p>Administrative charges for consumer loans</p> <p>50 Trade Finance - verification on random sample basis</p> <p>Interest on Inland bills for various tenors</p> <p>Export bills against undrawn balance</p> <p>Interest on overdue bills etc</p> <p>Collection charges for Local cheque collection, Out station cheques collection</p> <p>Collection of bills with or without LC for sight and Usance</p> <p>Commitment charges for Inland LC</p> <p>Amendment charges for LC amount wise, period wise</p> |
| 7. | Andhra Bank | IS Audit of Smart Card Project for Government Benefit Distribution | <p>SCOPE</p> <p>Security & Control Audit of:</p> <p>1) Equipments used of capturing of Bio-metric details, capturing of personal data of customer and also the process of linking them,</p> <p>2) Equipments capable of reading & writing the data to smart cards duly capturing the data on Samrat card & validating with the central server data.</p> <p>3) Mobile equipments for capturing the finger prints of customers, data from smart cards, encapsulating them, communicating with the central data (or) validating with off-line data on smartcard, authenticating & recording the transaction etc.</p> <p>4) Mobile communication with data encryption/decryptions as per standards etc.</p> <p>5) Servers, access control, software's controls security t\etc. at the Data Centre of the service provides.</p> <p>6) Network, Network equipments, interface between the mobile equipments and servers at the data centre of the service provide.</p> <p>7) Accounting, reconciliation, data verifications & integrity checks.</p> <p>8) Communication with the Bank' DC and interface etc., at the Bank DC.</p> <p>Operational control Audit like.</p> <p>1. Software controls & Interfaces Controls.</p> <p>2. Reconciliation Process.</p> <p>3. Data Synchronization, Integrity Check etc at DC of the Bank/Service Provider</p> |
| 8. | The Oriental Insurance Co. Ltd. | Comprehensive Audit of CBS Application and Data Migration Audit | <p>Functional Test Audit</p> <p>A comprehensive functional test of applications to ensure that all the functionality implemented are functioning accurately as per the current business requirements of OICL.</p> |

| Sr. No. | Client Name | Project Title | Particulars of Projects |
|---------|-------------|---------------|--|
| | | | <p>Interact and collect all necessary inputs, clarification and confirmations regarding business requirements/processes from respective user departments of OICL.</p> <p>The bidder is expected to perform the following minimum set of activities related to testing for all the modules, applications, delivery channels, products, processes:</p> <ul style="list-style-type: none"> • Development of suitable testing methodology with supporting processes and templates and develop test data. • Develop testing strategy document • Development of test calendars • Development of business test case scenarios with related test cases, and test data to execute • Conduct individual application testing for the core insurance solution, modules, products, processes, interfaces • Daily, weekly status reporting. • Train the OICL's team in test script development and testing methodology. • Correctness of data being presented in the reports • Point out gaps, errors, bugs. • Explain the bugs, errors and gaps to OICL and System Integrator. • Provide Application Audit reports • Submit all documents on methodology, strategy, test cases, test documentation, customization requests, solution etc. to OICL. • Testing will have to be in conformity of Requirements of OICL, OICL's existing product and processes <p>Application Security and Governance</p> <p>The Bidder is required validate whether the application is functioning as per standard security and governance procedures with following minimum activities :</p> <ul style="list-style-type: none"> • Authorization, authentication and access control review • Review of privileges assigned to users/ user groups/ DBAs • Control procedures on various database operations • Vulnerability and Penetration Testing • Application controls review – covering various inputs, processing and output controls Available across INLIAS application • Controls for application usage – covering segregation of responsibility • Controls for master data updation • Availability of appropriate audit logs • Batch processing procedures and controls • Availability of required reports • Availability of alerts etc. for relevant business cases such as high value underwriting <p>Compliance Test</p> <p>One round of defect correction testing after the corrections or implementation of recommendations is done by the system integrator (3i-Infotech).</p> <p>The compliance test will be executed either on implementation of corrections by system integrator or after 90 days of submission of final report whichever is earlier.</p> |

| Sr. No. | Client Name | Project Title | Particulars of Projects |
|------------|-------------|---------------|---|
| | | | <p>Automated Tool to be used</p> <p>The auditor will use Quick Test Pro (QTP) for the purpose of auditing the application</p> <p>Data Migration Audit</p> <p><i>Scope of work</i></p> <p>The scope for data migration validation would cover the following:</p> <p>To tabulate from INLIAS the number and amount of claims migrated to INLIAS (line of business wise) for each office. This would include the number and Outstanding amount for each class of business, office-wise, available in INLIAS. This figure (number and amount) would be required for each deptt. as under:</p> <ul style="list-style-type: none"> a. Fire b. Engineering c. Marine Cargo d. Marine Hull e. Motor f. RID g. Aviation h. Workmen Compensation i. Miscellaneous <p>To confirm from INLIAS the total number and amount of unexpired policies migrated to INLIAS (line of business wise) for each office. This would be for each class of business, Office-wise, available in INLIAS. This figure (number and amount) would be required for each deptt. as under:</p> <ul style="list-style-type: none"> a. Fire b. Engineering c. Marine Cargo d. Marine Hull e. Motor f. RID g. Aviation h. Workmen Compensation i. Miscellaneous <p>To confirm from INLIAS that relevant Masters had been migrated to INLIAS like :</p> <ul style="list-style-type: none"> a. Agent Master b. Development Officer Master c. Employee Master d. Office Master, etc. |

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**Details of the Audit Tools
Freeware**

| S. No. | Tool Name | Description |
|--------|-----------------------|---|
| 1. | Achilles | A tool designed for testing the security of Web Applications. |
| 2. | Brutus | A Windows GUI brute-force tool for FTP, Telnet, POP3, SMB, HTTP, etc. |
| 3. | CrypTool | A Cyptanlaysis Utility |
| 4. | cURL | Curl is a tool for transferring files with URL syntax, supporting FTP, FTPS, HTTP, HTTPS, GOPHER, TELNET, DICT, FILE and LDAP |
| 5. | Exploits | Publicly available and home made exploit code for the different vulnerabilities around |
| 6. | Fscan | A command-line port scanner, supporting TCP and UDP |
| 7. | Elza | A family of tools for arbitrary HTTP communication with picky web sites for the purpose of penetration testing and information gathering |
| 8. | Fragrouter | Utility that allows to fragment packets in funny ways |
| 9. | HPing | A command-line oriented TCP/IP packet assembler/analyzer. It supports TCP, UDP, ICMP and RAW-IP protocols, has a traceroute mode, the ability to send files between a covered channel, and many other features. |
| 10. | ISNprober | Check an IP address for load-balancing. |
| 11. | ICMPush | A tool that sends ICMP packets fully customized from command line |
| 12. | John The Ripper | A password cracker |
| 13. | L0phtcrack | NTLM/Lanman password auditing and recovery application |
| 14. | Tenable Nessus | A free, powerful, up-to-date and easy to use remote security scanner. This tool could be used when scanning a large range of IP addresses, or to verify the results of manual work. |
| 15. | Netcat | The swiss army knife of network tools. A simple utility which reads and writes data across network connections, using TCP or UDP protocol |
| 16. | NMAP | The best known port scanner around |
| 17. | p0f | Passive OS Fingerprinting: A tool that listens on the network and tries to identify the OS versions from the information in the packets. |
| 18. | Pwdump | Tools that grab the hashes out of the SAM database, to use with a brute-forcer like L0phtcrack or John |
| 19. | SamSpade and Dnsstuff | Graphical tool that allows to perform different network queries: ping, nslookup, whois, IP block whois, dig, traceroute, finger, SMTP VRFY, web browser keep-alive, DNS zone transfer, SMTP relay check,etc. |
| 20. | ScanDNS | Script that scans a range of IP addresses to find DNS names |
| 21. | Sing | Send ICMP Nasty Garbage. A little tool that sends ICMP packets fully customized from command line |
| 22. | SSLProxy, STunnel | Tools that allow to run non SSL-aware tools/programs over |

| S. No. | Tool Name | Description |
|--------|---|--|
| | | SSL |
| 23. | Strobe | A command-line port scanner that also performs banner grabbing |
| 24. | Telesweep Secure | A commercial wardialer that also does fingerprinting and brute-forcing |
| 25. | THC | A freeware wardialer |
| 26. | TCPdump | A packet sniffer |
| 27. | TCPtraceroute | Traceroute over TCP |
| 28. | UCD-Snmp - (aka NET-Snmp) | Various tools relating to the Simple Network Management Protocol including snmpget, snmpwalk and snmpset. |
| 29. | Webinspect | CGI scanning, web crawling, etc |
| 30. | Webreaper, wget | Software that mirrors websites to your hard disk |
| 31. | Whisker | The most famous CGI scanner. has updated the scanning databases with checks for the latest vulnerabilities |
| 32. | Acuentix Free Web Vulnerability Scanner | Web Vulnerability Scanner and Exploit Tool |
| 33. | Auditor, Pentoo, BackTrack and Phalak | Penetration Live Distort |
| 34. | NetTools V 5.0 | Various bundle pack Network Hacking, Penetration, Tracing and information gathering Tool |
| 35. | Rainbow Password Cracker | Tool containing pre-hashed computed password list. |
| 36. | Cain & Able | Freeware, Multi-purpose hacking tool |

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**Snapshot of skills and competence of CERT-In empanelled
Information Security Auditing Organisation**

M/s AKS Information Technology Services Pvt Ltd

1. Name & location of the empanelled Information Security Auditing Organization :
AKS Information Technology Services Pvt. Ltd.,
E – 52, Sector – 3,
Noida (UP) - 201301

2. Carrying out Information Security Audits since : 2006

3. Capability to audit , category wise (add more if required)
 - Network security audit (Y/N) YES
 - Web-application security audit (Y/N) YES
 - Wireless security audit (Y/N) YES
 - Compliance audits (ISO 27001, PCI, etc.) (Y/N) YES
 - Payment Gateway Audit YES
 - ERP Audit YES

4. Information Security Audits carried out in last 12 Months :

| | | |
|--|---|-----|
| Govt. | : | 850 |
| PSU | : | 41 |
| Private | : | 62 |
| Total Nos. of Information Security Audits done | : | 953 |

5. Number of audits in last 12 months , category-wise

| | | |
|--|---|-----|
| Network security audit | : | 25 |
| Web-application security audit | : | 900 |
| Wireless security audit | : | 10 |
| Compliance audits (ISO 27001, PCI, etc.) | : | 05 |
| Payment Gateway Audit | : | 10 |
| ERP Audit | : | 03 |

6. Technical manpower deployed for information security audits :

| | | |
|--|---|----|
| CISSPs | : | 03 |
| BS7799 / ISO27001 LAs | : | 04 |
| CISAs | : | 03 |
| DISAs / ISAs | : | 00 |
| Any other information security qualification: CEH/CCNA/CASP/MBCI | : | 26 |
| Total Nos. of Technical Personnel | : | 30 |

7. Details of technical manpower deployed for information security audits in Government and Critical sector organizations (attach Annexure if required)

| S. No. | Name of Employee | Working with AKS IT since | Experience in Information Security (Yrs) | Qualifications related to Information security |
|--------|----------------------|---------------------------|--|--|
| 1 | Ashish Kumar Saxena | 19-Sep-06 | 13 | CISSP, CISA, MBCI, ISO 27001 LA |
| 2 | Ashok Wahie | 1-Feb-13 | 15 | CISSP, CEH, CISA, ISO 27001 LA |
| 3 | Deepak Sherawat | 22-Jun-13 | 15 | ITIL, ISO 27001 |
| 4 | Rajesh Bhojwani | 22-Sep-08 | 5.5 | CEH, ISO 27001 LA |
| 5 | Rohit Srivastava | 7-Jun-11 | 3.5 | ISO 27001 LA, ISO 20000, BS 25999 |
| 6 | Prakhar Agrawal | 18-Jul-11 | 2.5 | CASP |
| 7 | Jagadeeshwar G Reddy | 1-Dec-12 | 2.5 | CEH |
| 8 | Ravi Chaubey | 1-May-13 | 5 | CEH |
| 9 | Seemant Bisht | 20-Jun-13 | 1 | CEH |

| | | | | |
|----|----------------------|-----------|-----|----------------|
| 10 | Areeb Naqi | 1-Jun-13 | 1 | CEH |
| 11 | Gaurav Mishra | 6-Aug-13 | 1 | CEHE/CCNA/CCSE |
| 12 | Laxmi Kiran | 19-Aug-13 | 2 | CCSE |
| 13 | Mansi Srivastava | 1-Mar-12 | 2 | CASP |
| 14 | Minali Arora | 18-Sep-12 | 1 | CASP |
| 15 | Anubhav Srivastava | 21-Feb-13 | 1.5 | CASP |
| 16 | Himanshu Thakur | 1-Dec-12 | 2 | CASP |
| 17 | Sayed Khalid | 15-Jan-13 | 2 | CASP |
| 18 | NandKishore Kumar | 1-Apr-11 | 3 | CASP |
| 19 | Neha Rani Srivastava | 11-Jun-12 | 2 | CASP |
| 20 | Dilip Mishra | 15-Oct-12 | 2 | CASP |
| 21 | Ankit Agarwal | 16-Oct-12 | 2 | CASP |
| 22 | Bhuvanesh Dwivedi | 5-Jan-13 | 1.5 | CASP |
| 23 | Paras Pilani | 16-Mar-13 | 1.5 | CASP |
| 24 | Sumit Shinde | 17-Jun-13 | 1 | CASP |
| 25 | Sajal Thomas | 12-Jun-13 | 1 | CASP |
| 26 | Vinod Tiwari | 17-Jun-13 | 1 | CASP |
| 27 | Surajeet Ghosh | 3-Jul-13 | 6 | CASP |
| 28 | Vishal Sonar | 3-Sep-13 | 1 | CASP |
| 29 | Abhineet | 15-Oct-13 | 1 | CEH |
| 30 | Abhijeet | 15-Oct-13 | 1 | CEH |
| 31 | Ravi Kiran | 11-Nov-13 | 1 | CASP |
| 32 | Ved Prakash | 17-Dec-13 | 2 | CCNA |
| 33 | Ankit Sharma | 1-Feb-14 | 1 | CASP |
| 34 | Vivek Chaudhary | 1-Feb -14 | 1 | CEH |
| 35 | Chanchal Rastogi | 17-Feb-14 | 1 | CEH |

8. Specify Largest Project handled in terms of scope (in terms of volume, complexity, locations etc.) along with project value. Carried out Infrastructure, Process & Security Audit of one of the competition exam conducted online. Total Number of Nodes were approx. 2, 00,000. 31 different cities with 276 locations. Project value was approx. 30 Lakh.

9. List of Information Security Audit Tools used (commercial/ freeware/proprietary):

Freeware Tools

- Nmap, Superscan and Fport - Port Scanners
- Metasploit framework, Netcat, BeEF , Cain & able, Hydra, John the ripper - Penetration Testing & Password cracking
- Process explorer, Sigcheck, Kproccheck - Windows Kernel & malware detection
- Netstumbler , Aircrack-ng suite & Kismet – WLAN Auditing
- OpenVas, W3af, Nikto - Vulnerability scanner
- Social Engineering ToolKit – Social Engineering testing
- Wireshark – Packet Analyser

Commercial Tools

- Nessus, Nexpose – Vulnerability Scanner
- Burp Suite, Acunetix - Web application auditing
- Passware: Password Cracking
- Mange Engine, Solarwind – Network Performance Testing
- Sawmill: Log Analysis
- Proprietary Tools
- ISA Log Analyzer

10. Outsourcing of Project to External Information Security Auditors / Experts : NO

(If yes, kindly provide oversight arrangement (MoU, contract etc.))

*Information as provided by **AKS Information Technology Services Pvt. Ltd.** on **17th February 2014**

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**Snapshot of skills and competence of CERT-In empanelled
Information Security Auditing Organisation**

M/s Aujas Networks Pvt Ltd

1. Name & location of the empanelled Information Security Auditing Organization :
Aujas Networks private Limited, Bangalore
2. Carrying out Information Security Audits since : June 2008
3. Capability to audit , category wise (add more if required)
 - Network security audit (Y)
 - Web-application security audit (Y)
 - Wireless security audit (Y)
 - Compliance audits (ISO 27001, PCI, etc.) (Y)
4. Information Security Audits carried out in last 12 Months :

| | | |
|--|---|------|
| Govt. | : | <2> |
| PSU | : | <1> |
| Private | : | <74> |
| Total Nos. of Information Security Audits done | : | 77 |
5. Number of audits in last 12 months , category-wise (**Organization can add categories based on project handled by them**)

| | | |
|--|---|------|
| Network security audit | : | <31> |
| Web-application security audit | : | <15> |
| Wireless security audit | : | <5> |
| Compliance audits (ISO 27001, PCI, etc.) | : | <7> |
6. Technical manpower deployed for information security audits :

| | | |
|-----------------------|---|------|
| CISSPs | : | <6> |
| BS7799 / ISO27001 LAs | : | <20> |
| CISAs | : | <7> |
| DISAs / ISAs | : | |
7. Any other information security qualification:

| | | |
|-----------------------------------|---|------|
| CEH | : | <21> |
| CHFI | : | <2> |
| CSSLP | : | <3> |
| CISM | : | <4> |
| CGEIT | : | <0> |
| BS25999 LA / LI | : | <6> |
| Total Nos. of Technical Personnel | : | 141 |
8. Details of technical manpower deployed for information security audits in Government and Critical sector organizations (attach Annexure if required)

| S. No. | Name of Employee | Duration with <organization> | Experience in Information Security | Qualifications related to Information security |
|--------|------------------|---|------------------------------------|--|
| 1 | Jaykishan Nirmal | (Depart of Defense) through Planet ECOM solutions | 6.5 Yrs | B.E , Diploma in Cyber Forensics; ITIL Foundation (2010), CISSP; CSSLP, CISA |
| | Yogesh Bhatia | State Bank of Mysore | 8.45 Yrs | B.E ,CEH(Dec 06), CISSP(Sep 07), ITIL Foundation(Dec 06); CSSLP |

9. Specify Largest Project handled in terms of scope (in terms of volume, complexity, locations etc.) along with project value.

One of the largest banks in Middle East (We cannot declare the name of banks we have NDA signed with them) .Three Geographical Locations: India, Saudi Arabia, London

Complexity: Project involved Network Security Architecture Review, Wireless Security Audit, Internal Vulnerability Assessment and Penetration Testing, Social Engineering, Security Configuration Review, Phishing Diagnostics, Physical Security Review, Application Penetration Testing, Risk Assessment, Policies and Procedures Review

10. List of Information Security Audit Tools used (commercial/ freeware/proprietary):

| | |
|----------------------------------|--|
| Freeware tools | |
| Nmap | Port Scanner, Fingerprinting |
| Netcat | Network Utility |
| SuperScan | Port Scanner |
| Snmp Walk | SNMP Scanner |
| User2SID | Windows Service Identifier |
| Sid2User | Windows Service Identifier |
| John the Ripper | Unix and Windows Password Analyzer |
| Metasploit | Exploit Framework |
| Backtrack Live CD | Exploit Framework |
| Paros | HTTP/S Interception Proxy |
| Burp Suite | HTTP/S Interception Proxy |
| Brutus | Brute force password utility |
| Cookie Editor | Firefox Plug-in to Edit Cookies |
| Netstumbler | Wireless Network Detector / Sniffer |
| Kismet | 802.11 Wireless Network Detector / Sniffer |
| MySQL Administration Tool | Administration tools for SQL Database |
| GoCR | OCR Reader |
| Commercial Tools | |
| Acunetix | Web Vulnerability Scanner |
| CodeSecure | Code Review Tool |
| Critical Watch | Network Vulnerability Scanner |
| Proprietary Tools | |
| PHP Security Audit Script | Web application configuration review tool |

11. Outsourcing of Project to External Information Security Auditors / Experts : No
(If yes, kindly provide oversight arrangement (MoU, contract etc.))

We don't outsource information security audit to outside vendors. Aujas execute its entire project undertaken.

*Information as provided by **Aujas Networks Private Ltd** > on <**22-Nov-13**>

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**Snapshot of skills and competence of CERT-In empanelled
Information Security Auditing Organisation**

M/s Computer Sciences Corporation India Pvt Ltd

1. Name & location of the empanelled Information Security Auditing Organization:

Computer Sciences Corporation India Pvt. Ltd.
A-44/45, DLF IT Park, Noida Towers,
Sector 62, Noida, Uttar Pradesh

2. Carrying out Information Security Audits since : 2005

3. Capability to audit , category wise (add more if required)

- Network security audit : Yes
- Web-application security audit: Yes
- Wireless security audit : Yes
- Compliance audits (ISO 27001, PCI, etc.): Yes

4. Information Security Audits carried out in last 12 Months :

Govt.: 0
PSU: 0
Private: 2
Total Nos. of Information Security Audits done: 2

5. Number of audits in last 12 months, category-wise (Organization can add categories based on project handled by them)

Network security audit: 1
Web-application security audit: 1
Wireless security audit: 0
Compliance audits (ISO 27001, PCI, etc.): 1

6. Technical manpower deployed for information security audits :

CISSPs : 2
BS7799 / ISO27001 LAs : 10
CISAs : 2
DISAs / ISAs : 0
Any other information security qualification: 1
Total Nos. of Technical Personnel : 15

7. Details of technical manpower deployed for information security audits in Government and Critical sector organizations (attach Annexure if required)

| S. No. | Name of Employee | Duration with CSC | Information Security related qualifications (CISSP/ISMS LA / CISM/ CISA/ ISA etc., state as applicable) | Total experience in information security related activities (years) |
|--------|-----------------------|-------------------|---|---|
| 1 | Harvinder Gill | Feb-12 | CISSP, ISO 27001LA | 8 |
| 2 | Pavan Vasudevan | Jul-11 | CISA, ISO27001LA | 7 |
| 3 | Jatin Dhawan | Mar-11 | CISSP, GCFA | 7 |
| 4 | Hemant Gautam | Jul-08 | OSCP | 8 |
| 5 | Sudhir Singh Sisodiya | Sep-11 | ISO 27001LA | 9 |
| 6 | Mahendra Varandani | Jun-11 | None | 10 Months |
| 7 | Rakesh Pathak | Sep-11 | ISO 27001LA, CeH | 9 |
| 8 | Hemant Bhardwaj | Apr-10 | ISO 27001LA | 9 |
| 9 | Giridhar | Dec-11 | CISA, ISO27001LA | 6 |

| | | | | |
|----|--------------------|--------|-----------------|---|
| | Govindarajan | | | |
| 10 | Karthik C S | Apr-11 | CeH, ISO27001LA | 7 |
| 11 | Prathyush Reddy | Aug-11 | ISO 27001LA | 7 |
| 12 | Mubeen Khan | Jul-11 | CeH | 4 |
| 13 | Mandip Singh | Nov-09 | Security+ | 2 |
| 14 | Shricha Verma | Nov-10 | ISO27001LA | 3 |
| 15 | Sandeep Srivastava | Aug-08 | ISO27001LA | 9 |

8. Specify Largest Project handled in terms of scope (in terms of volume, complexity, locations etc.) along with project value: Comprehensive security assessment for a UK Government department. This included Web Application security assessment and Network Penetration testing of 28 locations spread across 13 countries. It was part of master agreement hence project value can't be determined.

9. List of Information Security Audit Tools used (commercial/ freeware/proprietary):

- Cenzic Hailstorm
- Metasploit Pro
- Nessus Professional feed
- McAfee Foundscan
- Rapid7 Nexpose
- Nmap
- Metageek Chanalyzer Pro
- Burpsuite

10. Outsourcing of Project to External Information Security Auditors / Experts : No (If yes, kindly provide oversight arrangement (MoU, contract etc.))

*Information as provided by **Computer Sciences Corporation India Pvt. Ltd.** on **11/09/2012**

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**Snapshot of skills and competence of CERT-In empanelled
Information Security Auditing Organisation**

M/s Cyber Q Consulting Pvt Ltd.

1. Name & location of the empanelled Information Security Auditing Organization :

CyberQ Consulting Pvt. Ltd.
622, DLF Tower A, Jasola, New Delhi – 110044

2. Carrying out Information Security Audits since : 2002

3. Capability to audit , category wise (add more if required)

- Network security audit : Yes
- Web-application security audit : Yes
- Wireless security audit : Yes
- Compliance audits (ISO 27001, PCI, etc.) : Yes
- PKI audits : Yes
- Industrial Control System security audit : Yes

4. Information Security Audits carried out in last 12 Months :

Govt. : 16
PSU : 4 Private : 15
Total Nos. of Information Security Audits done : > 35

5. Number of audits in last 12 months ,category-wise
- | | |
|--|------|
| Network security audit | : 7 |
| Web-application security audit | : 25 |
| Wireless security audit | : 4 |
| Compliance audits (ISO 27001, PCI, etc.) | : 7 |

6. Technical manpower deployed for information security audits :

CISSPs : 1
BS7799 / ISO27001 LAs : 5
CISAs : 3
DISAs / ISAs : Nil
Any other information security qualification: > 25 Total Nos. of Technical Personnel : > 50

7. Details of technical manpower deployed for information security audits in Government and Critical sector organizations (indicative list only)

| S. No. | Name of Employee | Duration with CyberQ | Experience in Information Security | Qualifications related to Information security |
|--------|------------------|----------------------|------------------------------------|---|
| 1 | Debopriyo Kar | 12 | 11 | -Certified Information Systems Auditor (CISA) - ISACA, US Empanelled -Technical Expert for JAS-ANZ (Australia) -IRCA Certified Lead Auditor for ISO 27001 -COBIT Foundation Certified |
| 2 | Arup Roy | 7 | 5 | -ISO 27001 Lead Auditor -ISO 20000 Internal Auditor, |

| | | | | |
|----|------------------|---|---|---|
| | | | | -ISO 9000 Lead Auditor, -ITIL V2 Foundation Certificate |
| 3 | Ram Chandak | 4 | 3 | Certified Information Systems Auditor (CISA) – ISACA, US Empanelled |
| 4. | Pramod Pant | 7 | 9 | CISSP, CEH |
| 5. | And many more... | | | |

8. Specify Largest Project handled in terms of scope (in terms of volume, complexity, locations etc.) CyberQ has executed a number of large projects:

- Geographical locations – India, South-east Asia, SAARC, Middle East, Africa and Europe
- Industry – Government, Telecom, BFI, IT, Power, BPO, Automotive
- Services provided – IT Security Audit, ISMS Consultancy /Audit, Application Security audit, Performance audit, PKI audit, Industrial Control Systems security audit, etc.

9. List of Information Security Audit Tools used (commercial/ freeware/proprietary): An indicative list of tools:

- Nessus
- Sam Spade
- Solar Winds
- IP Scanner
- nmap
- Brutus
- Burp Proxy
- Web Scarab
- Echo Mirage
- Ethereal
- WebSphinx
- Winhex
- Tamper IE
- Proprietary Tools etc.

10. Outsourcing of Project to External Information Security Auditors / Experts : No

*Information as provided by **CyberQ Consulting Pvt. Ltd.** on **11th November, 2013**

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**Snapshot of skills and competence of CERT-In empanelled
Information Security Auditing Organisation**

M/s Control case India Pvt. Ltd.

1. Name & location of the empanelled Information Security Auditing Organization

**ControlCase International Pvt. Ltd.
203, Town Center I, Andheri-Kurla Road, Andheri East
Mumbai - 400059**

2. Carrying out Information Security Audits since : 2005

3. Capability to audit , category wise (add more if required)

- Network Security Audit
- Web-application Security Audit
- Web Application Source Code Review
- Advanced Penetration Testing Training
- Wireless Security Audit
- Compliance Audits (ISO 27001, PCI DSS, PA DSS, HIPPA, EI3PA)
- Virtualization Security Assessment
- Mobile Application Security Audit

4. Information Security Audits carried out in last 12 Months :

| | | |
|--|---|------|
| Govt. | : | 15 |
| PSU | : | 03 |
| Private | : | 500+ |
| Total Nos. of Information Security Audits done : | | 500+ |

5. Number of audits in last 12 months , category-wise

| | |
|--|------|
| Network Security Audit : | 100+ |
| Web-application Security Audit : | 100+ |
| Web Application Source Code Review : | 15 |
| Advanced Penetration Testing Training : | 10 |
| Wireless Security Audit : | 10 |
| Compliance Audits (ISO 27001, PCI DSS, PA DSS, HIPPA, EI3PA) : | 400+ |
| Virtualization Security Assessment : | 5 |
| Mobile Application Security Audit : | 20 |

6. Technical manpower deployed for information security audits :

| | | |
|-----------------------------------|---|---------|
| CISSPs | : | 8 |
| BS7799 / ISO27001 LAs | : | 15 |
| CISAs | : | 10 |
| CEH | : | 8 |
| PCI QSA | : | 15 |
| PA QSA | : | 4 |
| ASV | : | 3 |
| CISM | : | 1 |
| CRISC | : | 1 |
| CCNA | : | 3 |
| ITIL | : | 3 |
| PMP | : | 2 |
| Total Nos. of Technical Personnel | : | 50 plus |

7. Details of technical manpower deployed for information security audits in Government and Critical sector organizations (attach Annexure if required)

| S. No. | Name of Employee | Duration with ControlCase | Experience in Information Security | Qualifications related to Information security |
|--------|------------------|---------------------------|------------------------------------|---|
| 1. | Satyashil Rane | 5+ Years | 10+ Years | PCI QSA, PA QSA, CISSP, CEH, ASV, ISO 27001 LA |
| 2. | Pramod Deshmane | 3+ Years | 10+ Years | PCI QSA, PA QSA, CISA, CEH, ISO 27001 LI |
| 3. | Nitin Patil | 2+ Years | 4+ Years | CEH |
| 4. | Abhishek Roy | 2+ Years | 4+ Years | MS Cyber Law and Info Sec |
| 4. | Rajesh Jayaswar | 2+ Years | 4+ Years | MS Cyber Law and Info Sec, CISA, CEH, ISO 27001 LA, ISO 20000, BS 25999 |
| 5. | Shashank Vaidya | 2+ Years | 3+ Years | CEH |

8. Specify Largest Project handled in terms of scope (in terms of volume, complexity, locations etc.) along with project value:

| S.No | Client | Description of services (Relevant to Scope of Work in this RFP, give reference number only) | Project Value |
|------|--|---|--|
| 1. | One of the largest bank in Kuwait | Compliance as a Services – CAAS Which includes PCI certification, Fire wall rule set review, Configuration scanning of IT Assets, Application Security scanning, Log Monitoring 24 x 7, Internal vulnerability scan, External vulnerability scan, Internal and external penetration testing, Review and updating of policies, Annual security awareness trainings, Risk assessment | Rs. 40 lacs plus per year for 3 years |
| 2. | One of the largest bank in Vietnam | PCI DSS Certification Application Penetration Test Internal vulnerability scan, External vulnerability scan, Internal and external penetration testing | Rs. 35 lacs plus in one year |
| 3. | One of the largest bank in Brunei | Application Security Review Code review | Rs. 12.5 lacs plus |
| 4. | One of the largest payment transaction service provider in Mauritius | Compliance as a Services – CAAS Which includes PCI certification, Fire wall rule set review, Configuration scanning of IT Assets, Application Security scanning, Log Monitoring 24 x 7, Internal vulnerability scan, External vulnerability scan, Internal and external penetration testing, Review and updating of policies, Annual security awareness trainings, Risk assessment | Rs. 10 lacs plus per year for two years |
| 5. | One of the Top BPOs, with Global operations- multiple | Compliance as a Services – CAAS Which includes PCI certification, ISO Certification | Rs. 30 lacs plus per year- Three years contracts |

| | | | |
|--|-------|--|--|
| | sites | Configuration scanning of IT Assets, Application Security scanning, Internal vulnerability scan, External vulnerability scan, Internal and external penetration testing, | |
|--|-------|--|--|

9. List of Information Security Audit Tools used (commercial/ freeware/proprietary):

Commercial :

IBM Rational Appscan
Armorize Code Secure
Tenable Nessus
Beyond Trust Retina (Privously owned by eEye)
Burp Suite Professional
Nipper

Freeware / Open Source (Includes but not limited to below) :

Backtrack / Kali Linux Framework – Nmap, Netcat, cryptcat, Hping, Sqlmap, JTR,
OpenVAS, SET, MSF, Aircrack suite, Dirbuster, Cain
Rapid 7 NExpose
Fiddler
Charlse Proxy
Eco Mirage

Proprietary :

ControlCase GRC - ControlCase GRC is a consolidated framework that quickly and cost-effectively enables IT governance, risk management and compliance (GRC) with one or several government or industry regulations simultaneously. It allows IT organizations to proactively address issues related to GRC and implement a foundation that is consistent and repeatable.

ControlCase Compliance Manager (CCM) - Built upon the ControlCase GRC (CC-GRC) platform and provides an integrated solution to managing all aspects related to compliance. CCM allows organizations to implement the processes, integrate technologies and provide a unified repository for all information related to Compliance.

Card Data Discover (CDD) - ControlCase Data Discovery (CDD) addresses key need of Credit Card Data Discovery and is one of the first comprehensive scanners that not only searches for credit and debit card data on file systems, but also in most commercial and open source databases, and all this searching is done WITHOUT installing any agents on any scanned system. It scans the whole enterprise from one location.

ControlCase Compliance Scanner - ControlCase Compliance Scanner allows QSAs/Auditors and consultants to streamline and automate the process of evaluating PCI compliance during onsite engagements. Results from leading vulnerability scanners and application scanners, along with cardholder data search features are processed by the Compliance Scanner to pre-populate approximately half the controls of PCI DSS.

JDBF – Jet database Fuzzer, used to automate exploitation of discovered injection vulnerability in Jet Database to fuzz for databases, tables and associated columns.

NPTO – Network Penetration Testing Optimizer, focuses on elimination of the need to perform various analysis steps such as live IP identification, active information gathering using port scanners such as Nmap, optimizing security scanners such as Nessus / OpenVAS to perform vulnerability identification based on obtained results and providing verified results.

10. Outsourcing of Project to External Information Security Auditors / Experts : No

*Information as provided by **ControlCase International Pvt. Ltd.** on 23/May/2013

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**Snapshot of skills and competence of CERT-In empanelled
Information Security Auditing Organisation**

M/s Cyber Security Works Pvt. Ltd.

1. Name & location of the empanelled Information Security Auditing Organization :

**Cyber Security Works Pvt. Ltd.,
No.3, III – Floor, E- Block, 599, Anna Salai
Chennai – 600 006.**

2. Carrying out Information Security Audits since : 2008

3. Capability to audit , category wise (add more if required)

| | |
|--|-----|
| • Network security audit (Y/N) | Yes |
| • Web-application security audit (Y/N) | Yes |
| • Wireless security audit (Y/N) | Yes |
| • Compliance audits (ISO 27001, PCI, etc.) (Y/N) | Yes |
| • SDLC Review and Code Security Review | Yes |
| • Network Vulnerability Assessment | Yes |
| • Network Penetration Testing | Yes |
| • Information security policy review, development and assessment | yes |

4. Information Security Audits carried out in last 12 Months :

| | |
|--|----|
| Govt. : | 33 |
| PSU : | NA |
| Private : | 3 |
| Total Nos. of Information Security Audits done : | 36 |

5. Number of audits in last 12 months , category-wise (*Organization can add categories based on project handled by them*)

| | |
|---|----|
| Network security audit : | 8 |
| Web-application security audit : | 31 |
| Wireless security audit : | NA |
| Compliance audits (ISO 27001, PCI, etc.): | NA |
| Security Code Review : | 1 |

6. Technical manpower deployed for information security audits :

| | |
|--|----|
| CISSPs : | 3 |
| BS7799 / ISO27001 LAs : | 2 |
| CISAs : | 2 |
| DISAs / ISAs : | NA |
| Any other information security qualification : | 2 |
| Total Nos. of Technical Personnel : | 15 |

7. Details of technical manpower deployed for information security audits in Government and Critical sector organizations (attach Annexure if required)

| S. No. | Name of Employee | Duration with CSW | Experience in Information Security | Qualifications related to Information security |
|--------|-----------------------|-------------------|------------------------------------|--|
| 1 | Sridhar Krishnamurthi | 4 years | 14 years | CISA, CISSP/ ISO Lead Auditor |
| 2 | Jagan Mohan J | 4 years 7 Months | 4 Years 7 Months | MCA, CISA |
| 3 | Ravi Pandey | 1 year 10 Months | 2 Years , 11 Months | B.Tech, ISO 27001 LA |
| 4 | Ajay Kumar N | 1 Year | 1 Year | B.Tech |
| 5 | Ramesh G | 11 Months | 11 Months | M.C.A |

8. Specify Largest Project handled in terms of scope (in terms of volume, complexity, locations etc.) along with project value.

Vulnerability assessment and Penetration testing of network infrastructure and applications for a large Financial Services Company with offices across 68 Locations in India.

(We cannot declare the name of organization as we have NDA signed with them)

Complexity: Project involved of Network Security Review, Internal and External Vulnerability Assessment and Penetration Testing, Security Configuration Review, Physical Security Review, Application Penetration Testing, Risk Assessment, Policies and Procedures Review.

9. List of Information Security Audit Tools used (commercial/ freeware/proprietary):

- Nmap
- Netcat
- Snmp Walk
- Metasploit
- SQL Map
- DNS Enum
- Fire Fox Tamper- Data
- Paros
- Burp Suite
- Maltego
- John the ripper
- Wire Shark
- Xenotix XSS Framework
- Ethreal
- HPing2
- Nessus
- Burp Suite Pro

10. Outsourcing of Project to External Information Security Auditors / Experts: Yes/No (If yes, kindly provide oversight arrangement (MoU, contract etc.)) : No

CSW does not outsource any part of the project to External Security Auditors/ Experts.

*Information as provided by **Cyber Security Works Pvt. Ltd.** on 20-05-2013

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**Snapshot of skills and competence of CERT-In empanelled
Information Security Auditing Organisation**

M/s Deloitte Touche Tohmatsu India Private Limited.

1. Name & location of the empanelled Information Security Auditing Organization:

Deloitte Touche Tohmatsu India Private Limited.

2. Carrying out Information Security Audits since : 1995

3. Capability to audit , category wise (add more if required)

- Network security audit (Y/N) : Yes
- Web-application security audit (Y/N) : Yes
- Wireless security audit (Y/N) : Yes
- Compliance audits (ISO 27001, PCI, etc.) (Y/N): Yes

4. Information Security Audits carried out in last 12 Months :

Govt.: 16+
PSU: 8+
Private: 78+
Total Nos. of Information Security Audits done : 100+

5. Number of audits in last 12 months , category-wise (Organization can add categories based on project handled by them)

Network security audit: 39+
Web-application security audit: 56+
Wireless security audit: 2+
Compliance audits (ISO 27001, PCI, etc.): 7+

6. Technical manpower deployed for information security audits :

CISSPs : 10+
BS7799 / ISO27001 LAs : 40+
CISAs : 75+
CEH: 10+
Certified Internal Auditor (CIA): 5+
Certified Information Security Manager (CISM): 10+
Project Management Professional (PMP): 5+
SIX SIGMA: 10+

Total Nos. of Technical Personnel: 294 (All available for technical audit)

7. Details of technical manpower deployed for information security audits in Government and Critical sector organizations (attach [Annexure_A](#))

8. Specify Largest Project handled in terms of scope (in terms of volume, complexity, locations etc.) along with project value.

| Project Name | Locations (Scope, Volume) | Project value |
|---|---|----------------------|
| A premier technology company – Vulnerability Assessment & Penetration Testing | <ul style="list-style-type: none"> • All global locations that includes 3 data centers set up across the globe • ~ 400 applications | > INR 1 Cr |

9. List of Information Security Audit Tools used (commercial/ freeware/proprietary):

Freeware

- Nmap
- Nipper
- ISS
- IpSend
- UDP Probe
- Arping
- LibNet
- Ethereal
- GnuSniff
- WinSniffer
- Openssh
- Putty
- OpenSSL
- HTTP Tunnel
- Psst
- Chkrootkit
- John The Ripper
- L0pth Crack
- Brutus
- Hydra

Commercial

- Acunetix
- Metasploit
- Nessus
- Retina
- GFI LANGuard
- Nemesis
- Checkmarx
- Burp Suite

10. Outsourcing of Project to External Information Security Auditors / Experts : No
(If yes, kindly provide oversight arrangement (MoU, contract etc.))

*Information as provided by **Deloitte Touche Tohmatsu India Private Limited** on
09/14/2012

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The following are some of the selected (sample) profiles with experience in information security.

| S. No. | Name of Employee | Duration with Deloitte | Experience in Information Security (Yrs) | Qualifications related to Information security |
|--------|-----------------------|------------------------|--|---|
| 1 | Maninder Bharadwaj | 3 yrs, 3 month | 12 | CISA, CISM, ITIL, ITSM |
| 2 | Vinay Puri | 1 year | 11 | CEH, CIISA, ECSA, CNSSI, NSTISSI |
| 3 | Gaurav Shukla | 1 yr, 8 months | 9 | ISO27001 |
| 4 | Akshay Garkel | 2.5 years | 12 | MS-IT (Security) |
| 5 | Tejvir Singh | 2 years | 7 | CISSP, CEH, Security + |
| 6 | Vikas Garg | 2 yrs, 3 month | 8 | CEH, CISA, CISM, CISSP and ISO27001 |
| 7 | Achal Gangwani | 1 yr, 4 month | 8 | CEH, ISO 270001 |
| 8 | Lalit Vazirani | 2 years, 3 months | 9 | ISO 27001 LA, QualysGuard VM certified, Archer GRC Admin training, Symantec DLP 10.5 training |
| 9 | Romel Roche | 2 years | 8 | CEH, ISO 27001 LA, CISA |
| 10 | Vaibhav Sudamrao Aher | 1 year, 10 months | 5 | CEH, ISO 270001 |
| 11 | Uttam Chouhan | 1 year, 10 months | 7 | CISSP, CISA, ISO 27001 LA |
| 12 | Akshat Gairola | 1 yr, 8 months | 7 | ISO 27001 LI, ISO 27001 LA |
| 13 | Sanjiv Mahato | 1 yr, 11 month | 5.5 | CISSP, ISO 27001 LA |
| 14 | Prabhu Natarajan | 3.9 years | 5.2 | ISO 27001 LA, CEH, MCSA, CCNA |
| 15 | Rohit Bharath Das | 2 yr, 4 month | 5.2 | SCJP |
| 16 | Mahesh Heda | 13 months | 4 | PRISM (Full One year Information Security Course) |
| 17 | Sohil Garg | 7 months | 4 | CEH, Comptia Security Plus |
| 18 | Jaywant Jadhav | 1.5 years | 3.5 | MBA (Information Systems & Security), CEH v6.0, ISO 27001 LA |
| 19 | Saurabh Rana | 2 yrs, 4 month | 3.2 | Nil |
| 20 | Chaitanya Wagh | 1 yr, 2 month | 1.1 | BSI ISO27001 implementor |

**Snapshot of skills and competence of CERT-In empanelled
Information Security Auditing Organisation**

M/s Digital Age Strategies Pvt. Ltd.

1. Name & location of the empanelled Information Security Auditing Organization :

M/s Digital Age Strategies Pvt. Ltd.
204, Lakshminarayana Complex
2nd Floor, Panduranganagar
OPP – HSBC, Bannerghatta Road
Bangalore - 560076

2. Carrying out Information Security Audits since : 8th March, 2004

3. Capability to audit , category wise (add more if required)

| | | |
|---|---|-----|
| • Network security audit | : | Yes |
| • Web-application security audit | : | Yes |
| • Wireless security audit | : | Yes |
| • Compliance audits (ISO 27001, PCI, etc.) | : | Yes |
| • Network Information security policy Audit against best security practices | : | Yes |
| • Process Security Audit | : | Yes |
| • Internet Technology Security Audit | : | Yes |
| • Communications Security Audit | : | Yes |
| • Internet & Mobile Security Testing | : | Yes |
| • Physical Access Controls & Security Audit | : | Yes |
| • Software Vulnerability Assessment Audit | : | Yes |
| • Penetration Testing | : | Yes |
| • Business Continuity Planning / Disaster Recovery Audit | : | Yes |
| • CBS/Core/ERP Application Audits | : | Yes |
| • Software Asset Management Audit | : | Yes |
| • Sarbanes' Oxley Act (SOX) Audit | : | Yes |
| • Data Migration Audit | : | Yes |

4. Information Security Audits carried out in last 12 Months :

| | | |
|--|---|-----|
| Govt. | : | 74 |
| PSU | : | 669 |
| Private | : | 118 |
| Total Nos. of Information Security Audits done | : | 861 |

5. Number of audits in last 12 months , category-wise (**Organization can add categories based on project handled by them**)

| | | |
|--|---|------|
| • Network security audit | : | 85+ |
| • Web-application security audit | : | 230+ |
| • Wireless security audit | : | 2+ |
| • Compliance audits (ISO 27001, PCI, etc.) | : | 450+ |
| • Network Information security policy Audit against best security practice | : | 115+ |
| • Internet Technology Security Audit | : | 85+ |
| • Mobile Security Testing | : | 550+ |
| • Physical Access Controls & Security Audit | : | 25+ |
| • Vulnerability Assessment Audit | : | 65+ |
| • Penetration Testing | : | 35+ |
| • Business Continuity Planning / Disaster Recovery Audit | : | 550+ |

6. Technical manpower deployed for information security audits :

| | | |
|--|---|---------|
| CISSPs | : | NIL |
| BS7799 / ISO27001 LAs | : | 15 |
| CISAs | : | 18 |
| DISAs / ISAs | : | 2 |
| Any other information security qualification | : | CEH - 8 |
| Total Nos. of Technical Personnel | : | 31 |

7. Details of technical manpower deployed for information security audits in Government and Critical sector organizations (attach Annexure if required)

| S. No | Name of Employee | Duration with Organization | Experience in Information Security | Qualification related to Information Security |
|-------|---------------------------|----------------------------|------------------------------------|--|
| 1 | Shri Dinesh S Shastri | 9 | 20 | CISA, CEH, CHFI, CISM, CSQA, ISO 27001 L.A, ISO 2000 L.A. CSQA, CAIIB, ISO 9001, ISO 14001 L.A |
| 2 | Shri G Krishnamurthy | 9 | 30 | CEH, ISO 27001 L.A, ISO 9001:2008. QMS, L.A, CAIIB., FCMA |
| 3 | Shri P L N Sarma | 9 | 30 | CISA, CEH, ISO 27001 L.A. |
| 4 | Smt. Shobha R | 3 | 4 | MSc., CISA, CISM, |
| 5 | Shri Padmanabhan S. | 7 | 10 | MSc., CISA, CISM |
| 6 | Shri Rakesh Kumar Bansal | 1 | 3 | DISA, CA |
| 7 | Smt. Rashmi Mittal | 1 | 3 | DISA, CA |
| 8 | Shri V M Seshasayan | 8 | 30 | MSc., CISA, ISO 27001 L.A. |
| 9 | Shri K S Ravindranath | 2 | 20 | CISA, M.Sc. (IT) |
| 10 | Shri Chandrasekaraiah T G | 5 | 8 | CISA, ISO 27001 L.A, ACA. |
| 11 | Shri K S Narayana Rao | 5 | 9 | B.Sc, CISA, CEH, ISO 27001 LA |
| 12 | Shri K S Chandrasekaran | 8 | 30 | M. Sc., ISO 27001 LA |
| 13 | Shri Kamalakar N S | 6 | 20 | CISA, CRISC, OCP |
| 14 | Shri Satish M G | 7 | 15 | BE, CISA, CRISC, ISO 27001 L.A., ISO 2000 LA |
| 15 | Shri Advi Acharya | 5 | 30 | CISA, MBA, ISO 27001 L A |
| 16 | Shri C S Shantaram | 3 | 3 | ISO 27001 |
| 17 | Shri Rajgopal Tholpadi S | 2 | 20 | B.Sc., CISA, PMP, ISO 9001 LA, CQA |
| 18 | Shri L R Kumar | 2 | 20 | CISA, ISO 27001 LA |
| 19 | Shri Janardhan | 2 | 20 | CISA |
| 20 | Shri K Rajasekharan | 8 | 20 | CISA |

| | | | | |
|----|--------------------------|---|----|-------------------------------|
| 21 | Smt. Rohini Dilip Kumar | 5 | 20 | M. Sc., CISA |
| 22 | Shri Ganapathy R | 2 | 20 | M.Sc., CISA, CAIIB, PGDM (IT) |
| 23 | Smt. Padmavathi S | 2 | 20 | CISA |
| 24 | Shri Puneeth Kumar | 3 | 3 | B.E , CEH |
| 25 | Shri P Ramakrishna Sarma | 1 | 30 | MSc (Elec), ISO 27001 L A |
| 26 | Shri Sharath M | 1 | 1 | BE, CEH |
| 27 | Shri Abhijith Rao M | 1 | 1 | BE, CEH |
| 28 | Shri Adino Namchu | 2 | 3 | MCA, CEH |
| 29 | Smt Gayathri S | 3 | 3 | CISA, 27001 L.A., ACA |
| 30 | Shri Narahari P S | 4 | 7 | ISO 27001 L A |
| 31 | Shri H P Ramakrishna | 8 | 40 | ISO 27001 LA |

8. Specify Largest Project handled in terms of scope (in terms of volume, complexity, locations etc.) along with project value.

I. Reserve Bank of India, HO Mumbai

- CBS Data Migration Audits of RBI across the Country from August 2011 till date.
- Vulnerability Assessment & Penetration Testing for RBI Network & Web application. Value of order Rs. 68.70 Lacs + Rs. 1.20 Lacs.

II. Canara Bank, Head Office, Bangalore

- Vulnerability Assessment and Penetration Testing for Bank's Network, Servers, Applications, Websites etc from 2010 to 2013. Value of order Rs. 16.60 Lacs.

III. Wipro - Data Migration Audit of 803 Branches of RRBS of UCO Bank across India. Value of order Rs. 32.12 Lacs.

IV. Allahabad Bank, HO, Kolkata

- CBS Data Migration Audit for 586 branches of two RRBs sponsored by Allahabad Bank for the year 2011-12 & 2012-13. Value of order Rs. 35.36 Lacs.

V. Indian Air Force on behalf of ECIL

- IT Consultancy & Audit for setting up of Certifying Authority (CA) Office, RA Offices for 2010-11, 2011-12 and 2012-13. Value of order Rs. 10 Lacs.

VI. Canbank Computer Services Ltd., a Subsidiary of Canara Bank

- Core Banking Solution Migration Audits of 805 RRBs of Canara Bank for 2011-12 on behalf of CCSL. Value of order Rs. 56.66 Lacs.

9. List of Information Security Audit Tools used (commercial/ freeware/proprietary):
Digital Age will be using the following Audit Tools depending upon the specific requirements of this Audit.

I. Commercial Tools

- Nessus Professional Feed
- Metasploit Pro
- Burp Professional Suite

II. Open Source

- Nmap
- Nikto - This tool scans for web-application vulnerabilities
- BackTrack
- OpenVas
- W3af
- LDAPminer
- Owasp Mantra
- Wire Shark
- Aircrack-Ng
- Hydra
- Directory Buster
- SQL Map
- SSL Strip
- Tamper Data
- FOCA

III. Proprietary Tools

- Web Cracker Ver. 3.0
- Network Mapper Ver. 4.6
- Filter It - Ver. 2.0
- SQL Checker Ver. 1.0
- Inject Script Ver. 2.0

10. Outsourcing of Project to External Information Security Auditors / Experts : No
(If yes, kindly provide oversight arrangement (MoU, contract etc.))

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**Snapshot of skills and competence of CERT-In empanelled
Information Security Auditing Organisation**

M/s Ernst & Young Pvt Ltd

1. Name & location of the empanelled Information Security Auditing Organization :

Ernst & Young LLP, Chennai

2. Carrying out Information Security Audits since : January 2001

3. Capability to audit , category wise (add more if required)

- Network security audit (Y/N)
- Web-application security audit (Y/N)
- Wireless security audit (Y/N)
- Compliance audits (ISO 27001, PCI, etc.) (Y/N)

4. Information Security Audits carried out in last 12 Months :
- | | | |
|--|---|-----|
| Govt. | : | 11 |
| PSU | : | 15 |
| Private | : | 90 |
| Total Nos. of Information Security Audits done | : | 116 |

5. Number of audits in last 12 months , category-wise (**Organization can add categories based on project handled by them**)

- | | | |
|--|---|------|
| Network security audit | : | 110 |
| Web-application security audit | : | > 80 |
| Wireless security audit | : | 6 |
| Compliance audits (ISO 27001, PCI, etc.) | : | 80 |

6. Technical manpower deployed for information security audits :
- | | | |
|-----------------------------------|---|-----|
| CISSPs | : | 9 |
| BS7799 / ISO27001 LAs | : | 17 |
| CISAs | : | 69 |
| DISAs / ISAs | : | 2 |
| Total Nos. of Technical Personnel | : | 145 |

7. Details of technical manpower deployed for information security audits in Government and Critical sector organizations (attach Annexure if required)

| S. No | Name of Employee | Duration with Ernst & Young LLP | Experience in Information Security | Qualifications related to Information security |
|-------|--------------------|--|------------------------------------|--|
| 1 | Ponkumar Venkatesh | 12.10 years | 12.5 years | CISM |
| 2 | Rajesh kumar D | 6 years | 13 years | CISSP |
| 3 | Vishal jain | 12.7 years | 12 years | CISSP |
| 4 | Mini Gupta | 9.6 years | 11years | CISM, Lead Auditor Course (BS25999) |
| 5 | Abhijit Kumar | 6.5 years | 14 Years | CISA, Lead Auditor Course (27001:2005) |
| 6 | Parab Ganesh | 2 years | 1.7 Years | CHFI (EC-Council), CEH, CIPP/IT |
| 7 | Rushit Choksey | 10.6 years | 8 Years | CISM, CISA, CIPP/IT, Diploma in Cyber Law, ISMS Implementation course (27001:2005) |
| 8 | Kartik Shinde | 3.8 years | 12 Years | CISSP, CEH, GCFW, MCSE, Certified BS7799 Implementer |
| 9 | Nikhil Waghlikar | 3.4 years | 7 Years | CISA, CEH, ISO 27001 Lead Auditor, CHFI, CPISI, CNSM |
| 10 | Vineet Shetty | 2.10 years | 2 Years | CEH |
| 11 | Rahul Rishi | 14.5 years | 14 Years | BS25999, CFE |

| | | | | |
|----|-----------------|------------|------------|--------------------------|
| 12 | Vibhor Jain | 11.6 years | 11 Years | CISA, CISSP |
| 13 | Munish Arora | 2 .7years | 2 Years | CDCP |
| 14 | Krunal Sidhpura | 2.3 years | 1.10 Years | CDCP, CDCS, CCNA |
| 15 | Jamaal Raazi | 2.9 Years | 2 Years | CDCP |
| 16 | Navin Kaul | 5.4 years | 4.9 Years | CISA, ISO 27001, BS25999 |
| 17 | Arindam Mandal | 4.1 years | 3.7 Years | ITILv3 |
| 18 | Pritam Patnaik | 2.10 years | 2 Years | ITILV3 |
| 19 | Rahul Choudhary | 1 year | 1 Year | CEH |

8. Specify Largest Project handled in terms of scope (in terms of volume, complexity, locations etc.) along with project value.

- **ERP application audit** (Application Security review - 500+ screens across various Roles)
- **State Wide Area Network (SWAN)** (Vulnerability Assessment - 500+node)

9. List of Information Security Audit Tools used (commercial/ freeware/proprietary):

Freeware

1. Nmap -- Port scanner
2. Nessus -- Vulnerability scanner
3. Nikto -- Web server/application vulnerability scanner
4. Metasploit Framework – Exploit code development framework for penetration tests
5. Peach – Python based fuzzer framework
6. Libnet – High level API for construction & injection of network packets
7. WireShark – Network protocol analyzer
8. Ettercap - Terminal-based network sniffer / interceptor / logger for ethernet LANs
9. Somersoft -- Security configuration, registry entries and access control lists on systems running the Windows operating system.

Commercial

1. App Detective -- Vulnerability assessment and review of security configuration of MySQL, Oracle, Sybase, IBM DB2, MS SWQL Server, Lotus Notes/Domino, Oracle Application Server, Web Applications.
2. Bv-Control Suite -- Security assessment -Microsoft Windows, Active Directory, Microsoft Exchange, Microsoft SQL Server, UNIX (Sun Solaris, HP-UX, AIX, Red Hat and SUSE Linux), Internet Security, Check Point Firewall I
3. HP WebInspect – Web application security assessment
4. IPLocks VA – Database configuration and vulnerability assessment
5. Immunity Canvas – Vulnerability exploitation framework for penetration tests
6. eTrust -- Online vulnerability management framework.
7. Bv-Control -- Security and segregation of duty review for SAP

Proprietary

1. iNTerrogator -- Review of security configuration of systems running the windows operating system.
2. *nix scripts -- A collection of scripts to assess the security configuration including file level ACLs on *nix systems (SCO OpenServer, Linux, HP-Ux, AIX, Solaris, *BSD).
3. Spider -- Web application security assessment
4. FakeOra -- Security assessment of 2-tier applications that use Oracle 8i (and above) as the RDBMS).
5. S-SAT -- A traveling SAP Security tool.
6. Permit -- ERP risk assessment and control solution tool.
7. Assessor -- Configuration review of Oracle Financials system.
8. WebSmack -- Web application inventory and vulnerability assessment
9. EY/Mercury -- Web based technical work plan generator to perform security configuration review of IT infrastructure
10. Outsourcing of Project to External Information Security Auditors /Experts : ~~Yes~~/No
(If yes, kindly provide oversight arrangement (MoU, contract etc.))

*Information as provided by Ernst & Young LLP on 12/11/13

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**Snapshot of skills and competence of CERT-In empanelled
Information Security Auditing Organisation**

M/s Financial Technologies (India) Limited

1. Name & location of the empanelled Information Security Auditing Organization :

Financial Technologies (India) Limited.
8th Floor, FT Tower, CTS No. 256&257, Suren Road,
Chakala, Andheri (E), Mumbai – 400093.

2. Carrying out Information Security Audits since : 2001

3. Capability to audit , category wise (add more if required)

- Network security audit (Y/N): Yes
- Web-application security audit (Y/N) : Yes
- Wireless security audit (Y/N) : Yes
- Compliance audits (ISO 27001, PCI, etc.) (Y/N) : Yes

4. Information Security Audits carried out in last 12 Months :

Govt. : <number of> 4 (Three)
PSU : <number of> 7 (Seven)
Private : <number of> 22 (Twenty
Two)

Total Nos. of Information Security Audits done : 33 (Thirty
Two)

5. Number of audits in last 12 months , category-wise (*Organization can add categories based on project handled by them*)

Network security audit: <number of> 10 (Ten)
Web-application security audit: <number of> 25
(Twenty)
Wireless security audit: <number of> 1 (One)
Compliance audits (ISO 27001, PCI, etc.): <number of> 4 (Two)

6. Technical manpower deployed for information security audits :

CISSPs : <number of> 1 (One)
BS7799 / ISO27001 LAs : <number of> 8 (Eight)
CISAs : <number of> 4 (Six)
DISAs / ISAs : <number of> 1 (One)
Any other information security qualification: <number of> 11 (Ten)
Total Nos. of Technical Personnel : 14
(Fourteen)

7. Kindly Note that most of the team members may possess more than one qualification

8. Details of technical manpower deployed for information security audits in Government and Critical sector organizations (attach Annexure if required)

9. Cannot be disclosed -Specify Largest Project handled in terms of scope (in terms of volume, complexity, locations etc.) along with project value.

| S. No. | Name of the Client | Brief description of Project | Year of Execution | Location |
|--------|--------------------|--|-------------------|----------------------------|
| 1 | Large PSU Bank | IS Audit of CBS Application, including VAPT, Network Audit, DC/DR Infrastructure Audit | 2012 | Mumbai, Chennai, Hyderabad |

10. Approx. project value = Rs. 700,000/-

11. List of Information Security Audit Tools used (commercial/ freeware/proprietary):

Commercial

- HP Web Inspect
- Nessus Licensed

Freeware

- COPS / Tiger
- Crack
- Nmap
- Tcpdump
- Sniffit
- CyberCop Security Scanner
- TripWire
- SuperScan
- Trace route
- War Dialing

12. Outsourcing of Project to External Information Security Auditors / Experts: ~~Yes~~/No : NO
(If yes, kindly provide oversight arrangement (MoU, contract etc.))

*Information as provided by **Financial Technologies India Limited** on **10-September-2012.**

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**Snapshot of skills and competence of CERT-In empanelled
Information Security Auditing Organisation**

M/s HARIBHAKTI & CO.

1. Name & location of the empanelled Information Security Auditing Organization :

Haribhakti & Co., Chartered Accountants
42, Free Press House,
215, Nariman Point,
Mumbai – 400 021.

2. Carrying out Information Security Audits since : 2000

3. Capability to audit , category wise (add more if required)

| | | |
|--|---|-----|
| • Network security audit (Y/N) | : | Yes |
| • Web-application security audit (Y/N) | : | Yes |
| • Wireless security audit (Y/N) | : | Yes |
| • Compliance audits | | |
| (ISO 27001, PCI,PSS ACT 2007, Data Privacy etc.) (Y/N) | : | Yes |
| • Regulatory audits for | | |
| banks/Mutual Funds/Securities Sector/Insurance | : | Yes |
| • Data Migration | : | Yes |
| • IT General Controls Review | : | Yes |
| • Application Audit | : | Yes |
| • Internal Audit based on ISO 27001 standard | : | Yes |
| • SAP User Access Entitlement Review | : | Yes |

4. Information Security Audits carried out in last 12 Months :

| | | |
|--|---|----|
| Govt. | : | 0 |
| PSU | : | 4 |
| Private | : | 49 |
| Total Nos. of Information Security Audits done | : | 53 |
| (including IT general controls review) | | |

5. Number of audits in last 12 months , category-wise **(Organization can add categories based on project handled by them)**

| | | |
|--|---|----|
| Information Systems Audit for Mutual Fund Sector | : | 1 |
| Internal Audit based on ISO 27001 Standard | : | 1 |
| Systems audit of financial sectors including | | |
| infrastructure and applications review | : | 7 |
| Systems audit of a company in private sector | : | 2 |
| IT general controls review | : | 42 |
| (A&A and internal audit) | | |

6. Technical manpower deployed for information security audits :

| | | |
|---|---|-----|
| BS7799 / ISO27001 LAs | : | 3 |
| CISAs | : | 5 |
| DISAs / ISAs | : | 5 |
| CEH | : | 2 |
| (Process of recruitment is on in place of resigned employees) | | |
| Any other information security qualification | : | Nil |
| Total Nos. of Technical Personnel | : | 8 |

7. Details of technical manpower deployed for information security audits in Government and Critical sector organizations (attach Annexure if required)

| S. No. | Name of Employee | Duration with Haribhakti & Co. (in Years) | Experience in Information Security | Qualifications related to Information security |
|--------|---------------------|---|------------------------------------|--|
| 1 | Kartik Radia | 4.5 | 12 | CA, CISA, CIA, CPA, CS, ICWA |
| 2 | Rhucha Vartak | 6 | 6 | CISA, ISO27001 |
| 3 | Pushpendra Bharambe | 6 | 6 | ISO 27001 |
| 4 | Sandeep Shinde | 3 | 5 | ISO27001, CPISI |
| 5 | Vikas Gupta | 6 | 1 | CA, CISA |
| 6 | Vishal Shah | 2.5 | 6.5 | CA, DISA |
| 7 | Amit Chedda | 2.5 | 1 | CA, DISA |
| 8 | Bhupendra Bangari | 24 | 12 | CA, CISA, CIA |

8. Specify Largest Project handled in terms of scope (in terms of volume, complexity, locations etc.) along with project value.

| Client | Scope | Volume | Location | Complexity |
|--------------------------------------|--|---|------------------------|--------------------------------|
| Large Public sector bank | Systems audit of core banking solution | Core banking solutions spanning all 13500 branches of SBI + 5 associate banks | Mumbai and 10 branches | Number of applications: 3 |
| Clearing and settlement organization | Information system audit of Infrastructure & application including the applications under PSS Act 2007 | Enterprise level systems audit covering the entire IT Infrastructure | Mumbai & Pune | Nos. of Servers: 37 |
| | | | | No. of Network components : 61 |
| | | | | Nos. of Application's: 17 |

9. List of Information Security Audit Tools used (commercial/ freeware/proprietary):

| Name of the Tool | Type | Use of Tool |
|------------------|------------------------|---------------------------------------|
| NMAP | Freeware (open source) | Port Scanner Tool |
| IP Tools | Shareware | Network scanning tool |
| App Detective | Licensed | For assessing Database Vulnerability |
| Acunetix | Commercial | Web application Security |
| Backtrack | Freeware (open source) | Network and Operating System Security |
| Burp Suite | Freeware (open source) | Web Application Security |

10. Outsourcing of Project to External Information Security Auditors / Experts : Yes/No

11. (If yes, kindly provide oversight arrangement (MoU, contract etc.))

*Information as provided by M/s. Haribhakti & Co. Chartered Accountants on 21th Feb 2014

**Snapshot of skills and competence of CERT-In empanelled
Information Security Auditing Organisation**

M/s HCL Comnet Ltd

1. Name & location of the empanelled Information Security Auditing Organization :

HCL Comnet Ltd

Corporate Office

A-104, Sector - 58

Noida - 201 301, Uttar Pradesh, India

Ph: 0120-4061200

Fax: 0120-2589667

<http://www.hcltech.com/it-infrastructure-management>

2. Carrying out Information Security Audits since : January 2001

3. Capability to audit , category wise (add more if required)

| | |
|--|-----|
| • Network security audit (Y/N) | Yes |
| • Web-application security audit (Y/N) | Yes |
| • Wireless security audit (Y/N) | Yes |
| • Compliance audits (ISO 27001, PCI, etc.) (Y/N) | Yes |

4. Information Security Audits carried out in last 12 Months :

| | | |
|--|---|----|
| Govt. | : | 4 |
| PSU | : | 6 |
| Private | : | 65 |
| Total Nos. of Information Security Audits done : | | 75 |

5. Number of audits in last 12 months , category-wise:

| | |
|---|-----------------------------|
| Network security audit : | On 75 organizations |
| Vulnerability Assessment : | On 2566 Servers and devices |
| Penetration Testing : | On 131 Servers and devices |
| Web-application security audit : | 84 Web Applications |
| Wireless security audit : | 2 |
| Compliance audits (ISO 27001, PCI, Exchange Audits etc.): | 75 |

6. Technical manpower deployed for information security audits :

| | |
|---|----|
| CISSPs : | 6 |
| BS7799 / ISO27001 LAs : | 17 |
| CISAs : | 5 |
| DISAs / ISAs : | 2 |
| Any other information security qualification (CEH): | 6 |
| Total Nos. of Technical Personnel : | 36 |

7. Details of technical manpower deployed for information security audits in Government and Critical sector organizations (attach Annexure if required)

| S. No. | Name of Employee | Duration with HCL | Experience in Information Security | Qualifications related to Information security |
|--------|-----------------------------|-------------------|------------------------------------|--|
| 1 | Ninad Vaidya | 3 Years | 14 Years | CISA, ISO 27001 LA, BCCP |
| 2 | Anuj Puri | 6 Years | 12 Years | CISSP, CEH |
| 3 | Digvijay Singh Shekhawat | 5 Years | 8 Years | CISSP, ISO 27001 LA |
| 4 | Manav Gupta | 5 Years | 12 Years | CISA, CISM, ISO 27001 LA |
| 5 | Sonia Arora | 5 Years | 5 Years | CISA, ISO 27001 LA |
| 6 | Saju Mathews | 2 Years | 10 Years | CHFI, CEH, ISO 27001 LA |
| 7 | Sarita Patel | 3 Years | 3 Years | ISO 27001 LA |
| 8 | Ajay Munjal | 3 Years | 6 Years | ISO 27001 LA |
| 9 | Asheesh Kumar Mani Tripathi | 2 Years | 5 Years | CEH, ISO 27001 LA |
| 10 | Abhijit Shrawagi | 1.8 Years | 5 Years, 8 Months | CEH |
| 11 | Saurabh Singh | 3 Years | 3 Years | ISO 27001 LA |
| 12 | Ajay Porus | 4 Years | 5 Years | CISA, ISO 27001 LA, CCNA Security |
| 13 | Sandeep Pasi | 7 Years | 8 Years | CEH |
| 14 | Gautam Narnia | 5 Years | 11 Years | CEH, ECSA, LPT, ISO 27001 LA |
| 15 | Rahul Shrivastava | 4 years | 5 Years | CISA , CISSP , CISM |
| 16 | Arvind Sharma | 3.5 Years | 11 Years | CISSP |
| 17 | Hardik Mukesh Shah | 5 Years | 9 Years | CISSP |
| 18 | Akshay Chitlangia | 4 Years | 8 Years | CISSP, CISA, ISO 27001 LA, CISM |

8. Specify Largest Project handled in terms of scope (in terms of volume, complexity, locations etc.) along with project value.
(We cannot declare the name of the clients as we have NDA signed with them)
- Leading Oil Company in India – Maintenance of Devices and Security Services at DC with project cost 21999995.00
 - Leading Bank in India – ISMS Implementation across three locations with project value INR 9575250.00
 - Leading Bank in India – Managed Security Services with project value INR 9239999.00
 - Security Audits based on NSE, BSE and MCX guidelines for Various Trading Agencies across all over India with total project value INR 3640000.00
 - Leading Bank in India – Managed Security Services with project value INR 3293644.18
 - Leading PSU company in India – Monitoring and Management of Information Security System with project value 1450000.00
 - Leading PSU Company in India – Security Audit on IT Infrastructure with project value INR 1125000.00
 - Leading Airline Corporation in India – SOC and Information Security Consulting with project value INR 800000.00

9. List of Information Security Audit Tools used (commercial/ freeware/proprietary):

- a. Tenable Nessus (Commercial)
- b. QualysGuard (Commercial)
- c. HP Web Inspect (Commercial)
- d. Metasploit Pro (Commercial)
- e. Nipper (Commercial)
- f. Firewall Rule Analyzer (proprietary)
- g. MBSA (Freeware)
- h. NMAP (Freeware)
- i. Custom scripts for operating system (proprietary)
- j. McAfee Vulnerability Manager (Commercial)
- k. AlgoSec (Commercial)
- l. Skybox (Commercial)
- m. Archer (Commercial)

10. Outsourcing of Project to External Information Security Auditors / Experts : No
(If yes, kindly provide oversight arrangement (MoU, contract etc.))

*Information as provided by **HCL Technologies Ltd** on 23rd May 2013

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**Snapshot of skills and competence of CERT-In empanelled
Information Security Auditing Organisation**

M/s HEXAWARE TECHNOLOGIES LTD

1. Name & location of the empanelled Information Security Auditing Organization :

HEXAWARE TECHNOLOGIES LTD
H5, SIPCOT IT PARK
Siruseri, Navalur, Kancheepuram-Dt. PIN: 603103
Tel: +91-44-47451000 | Fax: +91-44-47451111

2. Carrying out Information Security Audits since : 2003

3. Capability to audit , category wise (add more if required)

- Network security audit Yes
- Web-application security audit Yes
- Wireless security audit Yes
- Compliance audits (ISO 27001, PCI, etc.) Yes
- Source Code Review (White-Box, Black-Box testing) Yes

4. Information Security Audits carried out in last 12 Months :

Govt.: 3
PSU: 0
Private : 7
Total Nos. of Information Security Audits done : 10

5. Number of audits in last 12 months , category-wise (*Organization can add categories based on project handled by them*)

Network security audit : 1
Web-application security audit : 6
Wireless security audit : 0
Compliance audits (ISO 27001, PCI, etc.) : 3

6. Technical manpower deployed for information security audits :

Total Nos. of Technical Personnel : 20

Certification details:

| S # | Name | Em p- ID | CISA | CISSP | ISO27001 LA | BS25999 LA | CEH | LPT/ECSA | PMP | CRISC | CHFI | CompTia Security+ | CPTS | CCSS |
|-----|-------------------|----------|------|-------|-------------|------------|-----|----------|-----|-------|------|-------------------|------|------|
| 1 | Elangovan S | 1660 | Yes | | Yes | | | | | Yes | | | | |
| 2 | Jamuna Swamy | 16191 | Yes | | Yes | | | | Yes | | | | | |
| 3 | Savitha M | 18158 | Yes | | Yes | | Yes | | | | Yes | | | |
| 4 | Prabavathi N | 18159 | | | Yes | | Yes | | | | | | | |
| 5 | Hari Chandramouli | 1916 | Yes | | Yes | Yes | | | | | | | | |

| | | | | | | | | | | | | | | |
|----|-------------------------|---------------|-----|-----|-----|-----|-----|-----|---|-----|-----|-----|-----|-----|
| | | 7 | | | | | | | | | | | | |
| 6 | Ananthakrishnan M | 19 16 8 | | | | | Yes | Yes | | | | | | |
| 7 | Pankaj Benjwal | 20 67 4 | | | Yes | | Yes | | | | | | Yes | |
| 8 | Sunny Mathur | 21 94 0 | | | Yes | | Yes | | | | | | | |
| 9 | Mohan Kamat | 23 08 9 | Yes | | Yes | | | | | Yes | | | | |
| 10 | Bhanu Prasad Madana | 24 10 1 | | Yes | | | | | | | | | | |
| 11 | Mayur Kulkarni | 24 18 2 | | | | | Yes | Yes | | | | | Yes | |
| 12 | Sunderrajan S | 24 32 1 | | | Yes | | Yes | | | | Yes | | | |
| 13 | Mohan Krishnan | 24 37 4 | | | | | Yes | | | | | | | |
| 14 | Jaisankar Ramalingam | 25 03 6 | | | | | Yes | | | | | Yes | | |
| 15 | Vinodh raj Kumararajan | 25 13 5 | | | | | Yes | | | | | | | |
| 16 | Ramamurthy S.K | 25 48 3 | Yes | | Yes | Yes | | | | | | | | |
| 17 | Siddharth Gadiya | 22 90 0 | | | | | Yes | | | | | | Yes | |
| 18 | Vivek Deshpande | 23 91 1 | | | Yes | | | | | | | | Yes | |
| 19 | Jiby John N | 25 11 2 | | | | | | | | | | | | Yes |
| 20 | Hari Shankara Krishna H | 25 01 1 | | | Yes | | | | | | | | | |
| | TOTAL | | 6 | 1 | 12 | 2 | 11 | 2 | 1 | 2 | 2 | 1 | 4 | 1 |

7. Details of technical manpower deployed for information security audits in Government and Critical sector organizations (attach Annexure if required)

| S. No. | Name of Employee | Duration with HEXAWARE | Experience in Information Security | Qualifications related to Information security |
|--------|-------------------|------------------------|------------------------------------|--|
| 1 | Elangovan S | 12 years | 10+ years | CISA, CRISC, IS)27001-LA |
| 2 | Hari Chandramouli | 3 years | 10+ years | CISA, ISO27001, BS25999-LA |
| 3 | Mohan Kamat | 1.6 years | 10+ years | CISA, CRISC, IS)27001-LA |
| 4 | Ananthakrishnan M | 3 years | 7 years | CEH, LPT, PCI-DSS |

8. Specify Largest Project handled in terms of scope (in terms of volume, complexity, locations etc.) along with project value.

9. List of Information Security Audit Tools used (commercial/ freeware/proprietary):

| | | | |
|-----------------|-------------|-------------|-----------|
| IBM AppScan | Nmap | NetStumber | BackTrack |
| Acunetix | Nping | Wireshark | SQLMap |
| Nessus | Ncat | Metasploit | TCPDump |
| GFI Languard | Nikto | Paros Proxy | ScanDNS |
| Grendel | Brutus | Crack | Google |
| Whisker | CrypTool | NStalker | Snort |
| John the Ripper | PHP Scripts | Pangolin | |

10. Outsourcing of Project to External Information Security Auditors / Experts : No
(If yes, kindly provide oversight arrangement (MoU, contract etc.))

*Information as provided by **Hexaware Technologies Ltd** on 18th May '13

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**Snapshot of skills and competence of CERT-In empanelled
Information Security Auditing Organisation**

M/s IBM India Pvt. Ltd.

1. Name & location of the empanelled Information Security Auditing Organization :

IBM Global Services (I) Pvt. Ltd.,
4th Floor, The IL&FS Financial Centre,
Plot No C 22, G Block, Bandra Kurla Complex
Bandra (East),
Mumbai 400 051
Website URL: www.ibm.com

2. Carrying out Information Security Audits since : Year 2000

3. Capability to audit , category wise (add more if required)

- Network security audit (Y/N) : Yes
- Web-application security audit (Y/N) : YES
- Wireless security audit (Y/N) : YES
- Compliance audits (ISO 27001, PCI, etc.) (Y/N) : YES

4. Information Security Audits carried out in for period 2012-2013 :

- Govt. : NIL
PSU : 2
Private : 28
Total Nos. of Information Security Audits done : 30

5. Number of audits in last 12 months , category-wise

6. Network security audit : 10 +
Web-application security audit : 5 +
Wireless security audit : 3 +
Compliance audits (ISO 27001, PCI, etc.) : 25 +

7. Technical manpower deployed for information security audits :

- CISSPs : 15
BS7799 / ISO27001 LAs : 30 +
CISAs : 30 +
DISAs / ISAs :
Any other information security qualification : NIL
Total Nos. of Technical Personnel : 400+

8. Details of technical manpower deployed for information security audits in Government and Critical sector organizations (attach Annexure if required)

| S. No. | Name of Employee | Duration with IBM(working Since) | Total experience in information security | Information Security related qualifications |
|--------|-------------------|----------------------------------|--|---|
| 1 | Sudeep Saxena | Nov 2007 | 15 + | CISSP,CISM,LA 270-01, PMP |
| 2 | Jeffery Paul | Apr-00 | 13 + | CISSP, CISA,CISM,ISO 27001 LA, ITIL,CCNA,MSCE |
| 3 | Bhavesh Panchal | Oct 2010 | 15 + | MCP |
| 4 | Sandeep Sinnarkar | Sep-2013 | 5 + | MCP, CCNA, CCSP, CHFI, ITIL, |
| 5 | Kunal Purandare | Oct 2013 | 8 + | ISO 27001,CEH,Paulo Aulto Certified. |
| 6 | Dhiraj Sharma | Aug-2013 | 10 + | CISSP, CEH, CCSA |
| 7 | Kinjal V Ramaiya | Sep-10 | 3 + | IBM CEH |
| 8 | Prasenjit Paul | Dec-08 | 7 + | CCNA,CCNP,CEH,ECSA,Qualified LPT |

9. Specify Largest Project handled in terms of scope (in terms of volume, complexity, locations etc.) along with project value. : Information not available
10. List of Information Security Audit Tools used (commercial/ freeware/proprietary):

Freeware:

1. Metasploit: Penetration Testing Framework
2. NMAP : Port scanner
3. RAT : Router and firewall benchmarking
4. Wireshark - Protocol analyzer
5. MBSA : Windows security assessment
6. Nikto : Web Applications security
7. SNMPWalk : Router and network management
8. CAIN & Able : Traffic sniffing and Password cracking
9. Brutus : Password cracking
10. JohntheRipper : Password cracking
11. W3AF: Application auditing framework
12. Maltego: Intelligence and forensics application.
13. Unicornscan: Port Scanner and Information gathering.
14. Burp: Web proxy tool.

Commercial:

1. Nessus : Network Vulnerability Assessment
2. IBM Appscan : Web Systems & Applications security
3. Retina : Vulnerability Scanner
4. ISS : Vulnerability Scanner
5. Immunity Canvas : Penetration Testing Framework
6. Modulo: GRC Framework

Proprietary Tools:

1. Windows server Security assessment scripts
2. Unix/Linux/AIX server security assessment scripts
3. Oracle security assessment scripts
4. MSSQL security assessment scripts
5. ASP and Java Scripts : Web application assessment

11. Outsourcing of Project to External Information Security Auditors / Experts : No
(If yes, kindly provide oversight arrangement (MoU, contract etc.)) No

*Information as provided by < **IBM Global Services** > on < **2nd DEC 2013**>

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**Snapshot of skills and competence of CERT-In empanelled
Information Security Auditing Organisation**

M/s Indusface Consulting Pvt Ltd.

1. Name & location of the empanelled Information Security Auditing Organization :

Indusface Pvt Ltd.

Vadodara – Head Office

A/2-3, 3rd Floor, Status Plaza,
Opp. Relish Resort,
Atladara Old Padra Road,
Vadodara - 390020, Gujarat, India.
+91 265 3933000
+91 265 2355820

Mumbai

1357 / 1359, Regus Serviced Offices Level 13,
Platinum Techno Park 17 & 18 Sector 30,
Vashi Navi Mumbai – 400705
Maharashtra, India.
+91 22 61214961

Bangalore

408, 2nd Floor, Regency Enclave, 4,
Magrath Road, Bangalore – 560025
(613) 721-9363
+91 80 65608570 / 65608571
+91 80 41129296

DELHI

Regus Serviced Office, 2F Elegance,
Jasola District Center,
Old Mathura Road,
New Delhi - 110025, India.

2. Carrying out Information Security Audits since : 2004
3. Capability to audit , category wise (add more if required)
- | | | |
|--|---|-----|
| • Network security audit | : | Yes |
| • Web-application security audit | : | Yes |
| • Wireless security audit | : | Yes |
| • Mobile application security audit | : | Yes |
| • Secure Code Review | : | Yes |
| • Configuration audits (NIST, SANS) | : | Yes |
| • Compliance audits (ISO 27001, PCI, etc.) | : | Yes |
- (Indusface is PCI ASV certified)
4. Information Security Audits carried out in last 12 Months :
- | | | |
|--|---|----------|
| Govt. | : | 50 plus |
| PSU | : | 30 plus |
| Private | : | 500 plus |
| Total Nos. of Information Security Audits done | : | 500 plus |
5. Number of audits in last 12 months , category-wise (**Organization can add categories based on project handled by them**)
- | | | |
|--|---|----------|
| Network security audit | : | 800 plus |
| Web-application security audit | : | 500 plus |
| Wireless security audit | : | 10 plus |
| Code Review | : | 30 Plus |
| Configuration Audit | : | 100 Plus |
| Mobile Application Audit | : | 40 Plus |
| Compliance audits (ISO 27001, PCI, etc.) | : | 5 plus |
6. Technical manpower deployed for information security audits :
- | | | |
|---|---|---------|
| CISSPs | : | NIL |
| BS7799 / ISO27001 LAs | : | 2 |
| GWAPT | : | 1 |
| CISAs | : | NIL |
| CEH | : | 10 |
| Any other information security qualification- ITIM, ECSA,ITIL , Cyber forensics | : | |
| Total Nos. of Technical Personnel | : | 30 plus |

7. Details of technical manpower deployed for information security audits in Government and Critical sector organizations (attach Annexure if required)

| Information for Information Security Team | | | | |
|---|-------------------|-------------------------|------------------------------------|---|
| Sr. NO | Name | Duration with Indusface | Experience in information security | Qualification related to information security |
| 1 | Kandarp Shah | 8yrs | 8yrs | ISO 27001 LA |
| 2 | Jaydit Chitre | 6yrs | 6yrs | ITIM 5.1 |
| 3 | Arvind Kumar | 2.5yrs | 7yrs | CEH, ISO 27001 LA |
| 4 | Harsh Jadia | 1.2yrs | 4.2yrs | MS in Information Security |
| 5 | Madhusudan Khadke | 2mts | 6.4yrs | |
| 6 | Hitesh Patel | 1yrs | 1yrs | CEH, ECSA |
| 7 | Ankit Gurjargour | 1.3yrs | 1.3yrs | CEH |
| 8 | Ashish Ranjan | 1.1yrs | 6.6yrs | CCNA |
| 9 | Navin Kashyap | 3.3yrs | 6yrs | |
| 10 | Bhavin Naik | 2.3yrs | 6.11yrs | |
| 11 | Syed Vali | 1.3yrs | 7.3yrs | |
| 12 | Ankit Nirmal | 2.8yrs | 4.4yrs | ITIL, CEH |
| 13 | Vishal Bhawnani | 1.10yrs | 1.10yrs | CEH |
| 14 | Tushar Malhotra | 1.5yrs | 1.5yrs | CEH, CCI, Cyber forensics, DEA, IT LAW |
| 15 | Puneet Tripathi | 1.3yrs | 1.3yrs | CEH |
| 16 | Sonal Gawand | 1.3yrs | 1.3yrs | CEH |
| 17 | Mittal Mehta | 4.6yrs | 1yr | GWAPT, SANS |
| 18 | Pranab Kumar | 1.10yrs | 1.10yrs | CEH |
| 19 | Sankalp Kelkar | 1yr | 1yr | CEH |
| 20 | Kartik Iyer | 4mts | 4mts | CISC, CPH, CPFA, |

8. Specify Largest Project handled in terms of scope (in terms of volume, complexity, locations etc.) along with project value.

Project name : Online voting System (OVS) Gujarat.

Project owner : Gujarat State Election Commission

Please find below Press Release which demonstrates the size, complexity and sensitivity of the project

9. List of Information Security Audit Tools used (commercial/ freeware/proprietary):

Following table depicts the partial list of tools used during the Project by Indusface Information Security Consultants.

Add to the below freeware and commercial tools available, Indusface has a proprietary tools i.e. IndusGuard developed by Indusface which IndusGuard scans a web application on daily basis for application & system layer vulnerabilities with any possible malware infection. Also Indusface has Rapid7 and Nessus as a commercial tool

| 1.0 Password Cracker | |
|----------------------|--|
| Tool name | Description |
| Cain and Abel | Password Cracker as well as Network Enumeration |
| John the Ripper | A powerful, flexible and fast multi platform password hash cracker |
| Aircrack | 802.11 WEP Encryption Cracking tool |
| Airsnort | 802.11 WEP Encryption Cracking tool |
| Solarwinds | A plethora of network discovery/monitoring/attack tools |
| Brutus | A network brute-force authentication cracker |
| Web Cracker | Web Application Password Brute Force Tool |
| Lopht | Windows Hash Cracker |

| | |
|---------------------------------------|---|
| 2.0 Sniffers | |
| Tcpdump | The classic sniffer for network monitoring and data acquisition |
| Ettercap | In case you still thought switched LANs provide much extra security |
| Dsniff | A suite of powerful network auditing and penetration-testing tools |
| Winhex | Reads memory |
| 3.0 Vulnerability Scanners | |
| Nessus | Premier UNIX vulnerability assessment tool |
| X-scan | A general scanner for scanning network vulnerabilities |
| Nexpose | A well known vulnerability scanner by RAPID 7 |
| | |
| 4.0 Web Applications | |
| Tamper IE | Http Tamper tool |
| Nikto | Web Vulnerability Scanner |
| Paros proxy | A web application vulnerability assessment proxy |
| WebScarab | A web application vulnerability assessment proxy |
| WebInspect | Web Vulnerability Scanner |
| Whisker/libwhisker | CGI vulnerability scanner |
| Burpproxy | A web application vulnerability assessment proxy |
| Wikto | Web Server Assessment Tool (Google Hacks) |
| Acunetix Web Vulnerability Scanner | Web Vulnerability Scanner |
| Watchfire AppScan | Web Vulnerability Scanner |
| Link checker | Broken Links checker |
| Real Link checker | Broken Links checker |
| Crawler | Web Site Crawler |
| Sam Spade | Multipurpose tool |
| 5.0 Vulnerability Exploitation | |
| Metasploit Framework | Vulnerability Exploitations |
| 6.0 Other tools used | |
| Netcat | The network Swiss army knife |
| Nmap | Open source utility for network exploration or security auditing |
| Hping/Hping2 | PingSweep |
| Firewalk | Firewall Evasion |
| Superscan | Port Scan |
| WS_pingpropack | Network Discovery |
| GetAccount | Windows Accounts Enumeration |

10. Outsourcing of Project to External Information Security Auditors / Experts : No
(If yes, kindly provide oversight arrangement (MoU, contract etc.))

*Information as provided by **Indusface** on <7/11/2013>

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**Snapshot of skills and competence of CERT-In empanelled
Information Security Auditing Organisation**

M/s iViZ Techno Solutions Private Limited

1. Name & location of the empanelled Information Security Auditing Organization :

iViZ Techno Solutions Private Limited
Royal Arcade, 1st Floor
No.6, 80 Feet Road
Koramangala Industrial Area,
Bangalore, Karnataka - 560095

2. Carrying out Information Security Audits since : 2005

3. Capability to audit , category wise (add more if required)

- Network security audit : Yes
- Web-application security audit : Yes
- Wireless security audit : Yes
- Compliance audits (ISO 27001, PCI, etc.) : Yes

4. Information Security Audits carried out in last 12 Months :

Govt.: 4
PSU : 6
Private : 138

Total Nos. of Information Security Audits done : 148

5. Number of audits in last 12 months , category-wise Network security audit:

Web-application security audit: 150
Network VA/PT: 60
Wireless security audit: 21
Compliance audits (ISO 27001, PCI, etc.): 10

6. Technical manpower deployed for information security audits :

BS7799 / ISO27001 LAs : 0
CISAs : 0
DISAs / ISAs : 0
CEH: 5
OSCP: 2
Total Nos. of Technical Personnel : 12

7. Details of technical manpower deployed for information security audits in Government and Critical sector organizations (attach Annexure if required)

| S.No. | Name of Employee | Duration with iViZ | Experience in Information Security | Qualifications related to Information security |
|-------|------------------|--------------------|------------------------------------|--|
| 1 | Sachin Deodhar | Oct 2010 | 12 Years | |

8. Specify Largest Project handled in terms of scope (in terms of volume, complexity, locations etc.) along with project value.

- One of the leading Money Transfer Company
 - Scope: 300 business critical internet facing Web application penetration testing
 - Pricing: 125K USD
- One of the largest Casino In Macau
 - Scope: 1000 Server and Network Device vulnerability assessment, 10 Internal Thick client application Security assessment, 7 Interfacing web application security assessment
 - Pricing: 80K USD

9. List of Information Security Audit Tools used (commercial/ freeware/proprietary):

- Verimo(Verimo is the Automated Web Application Scanner developed by iViZ)
- Netsparker
- Paros Proxy
- Burp Proxy
- Zed Attack Proxy (ZAP)
- Wikto
- SQLmap
- HTTPPrint
- HTTPTrack
- ASP Auditor
- W3af
- Nikto
- WebScarab
- SiteDigger
- Curl
- Nessus
- Nmap
- Netcat
- Netcraft
- WHOIS
- Meta sploit
- Black Widow
- OpenSSL-Scanner
- SSLDigger
- DirBuster
- Wireshark
- List URLs
- Nipper
- Brutus

Outsourcing of Project to External Information Security Auditors / Experts : Yes/No
(If yes, kindly provide oversight arrangement (MoU, contract etc.)):

Yes

*Information as provided by **iViZ Techno Solutions Private Limited** on **11/09/12**.

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**Snapshot of skills and competence of CERT-In empanelled
Information Security Auditing Organisation**

M/s IDBI Intech Ltd.

1. Name & location of the empanelled Information Security Auditing Organization :

IDBI Intech Ltd.
Plot No. 39-41, IDBI Building, Sector-11,
CBD Belapur, Navi Mumbai
PIN- 400 614

2. Carrying out Information Security Audits since : 2007

3. Capability to audit , category wise (add more if required)

- Network security audit (Y/N) : Yes
- Web-application security audit (Y/N) : Yes
- Wireless security audit (Y/N) : Yes
- Compliance audits (ISO 27001, PCI, etc.) (Y/N) : Yes

4. Information Security Audits carried out in last 12 Months :

Govt. : 3
PSU : 1
Private : 9
Total Nos. of Information Security Audits done : 13

5. Number of audits in last 12 months , category-wise (*Organization can add categories based on project handled by them*)

Network security audit : 3
Web-application security audit : 5
Wireless security audit : -
Compliance audits (ISO 27001, PCI, etc.) :
IS Audits : 5

6. Technical manpower deployed for information security audits :

CISSPs : <number of>
BS7799 / ISO27001 LAs : <number of> 6
CISAs : <number of> 5
DISAs / ISAs : <number of> 0
Any other information security qualification : 4 (CEH)
Total Nos. of Technical Personnel : 11 (Eleven) **Some of the personnel have multiple security qualifications

7. Details of technical manpower deployed for information security audits in Government and Critical sector organizations (attach Annexure if required)

| S. No. | Name of Employee | Duration with IDBI Intech Ltd. | Experience in Information Security (Years) | Qualifications related to Information security |
|--------|---------------------|--------------------------------|--|--|
| 1 | Bharat Mahajan | 6 | 8 | CISA, ISO 27001 LA, CEH |
| 2 | Amol Date | 5 | 7 | CISA, ISO 27001 LA |
| 3 | Ravindra Kshirsagar | 5 | 2 | CISA |
| 4 | Niju Mohan | 2 | 13 | CISA |

| | | | | |
|----|-----------------------|----------|-----------------|------------------------|
| 5 | Chandrashekhhar Damle | 2 | 2 | ISO27001 LA |
| 6 | Sameer Gadve | 5 | 2 | ISO27001 LA, CISA, CEH |
| 7 | Rehan Choudhary | 3 | 4 | CEH |
| 8 | Ravikiran R. Kunder | 6 months | 3 | ISO27001 LA |
| 9 | Monika Kachroo | 5 | 2 | ISO27001 LA |
| 10 | Ashwinikumar Mishra | 4 months | 2 Year 8 Months | CEH |
| 11 | Pratik Hatipkar | 2 Months | 2 Year 9 Months | CEH |

8. Specify Largest Project handled in terms of scope (in terms of volume, complexity, locations etc.) along with project value.
 Stock Holding Corporation of India: ISO27001 Implementation at Data Centre, 12 locations and Annual Maintenance thereof.
 Volume & Complexity: Servers- 133, Switches- 46, IPS-3, Gateway-2, Firewalls-11, Routers-13, Databases- 35, Applications-39. The Risk assessment of all information assets within the scope of ISMS and the coverage of ISMS framework.
 Project Value -ISO 27001 Implementation consultancy for DC- Rs. 10,00,000/-, ISO/IEC 27001:2005 implementation 12 locations and ISMS Maintenance at DC- Rs. 25,00,000/-
9. List of Information Security Audit Tools used (commercial/ freeware/proprietary):
 Tenable Nessus Commercial Edition, Nikto, Wikto, Dirbuster, Nipper, Paros Proxy, Acunetix, BurpSuite, Metasploit , WebScarab, Backtrack, Wireshark, NetCat, Sqlmap, Nmap, MBSA.
10. Outsourcing of Project to External Information Security Auditors / Experts : Yes/No
 No
 (If yes, kindly provide oversight arrangement (MoU, contract etc.))

*Information as provided by **IDBI Intech Ltd.** on 23rd May 2013

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**Snapshot of skills and competence of CERT-In empanelled
Information Security Auditing Organisation**

M/s KPMG

1. Name & location of the empanelled Information Security Auditing Organization :
KPMG
Building No.10,
8th Floor, Tower B, DLF Cyber City, Phase II, Gurgaon Haryana– 122002
2. Carrying out Information Security Audits since : 1996
3. Capability to audit , category wise (add more if required)
 - Network security audit (Y/N) : Yes
 - Web-application security audit (Y/N) : Yes
 - Wireless security audit (Y/N) : Yes
 - Compliance audits (ISO 27001, PCI, etc.) (Y/N) : Yes
4. Information Security Audits carried out in last 12 Months : Govt. : 16-22
PSU : 12-16
Private : 325-360
Total Nos. of Information Security Audits done : 370-390
5. Number of audits in last 12 months , category-wise (Organization can add categories based on project handled by them)
 - Network security audit : 320-360
 - Web-application security audit : 275-325
 - Wireless security audit : 50-70
 - Compliance audits (ISO 27001, PCI, etc.) : 220-260
6. Technical manpower deployed for information security audits
 - CISSPs : 18-22
 - BS7799 / ISO27001 LAs : 15-20
 - CISAs : 60-80
 - DISAs / ISAs : 0
 - Any other information security qualification: CEH, GIAC, SSCP, etc.
 - Total Nos. of Technical Personnel : over 225
7. Details of technical manpower deployed for information security audits in Government and Critical sector organizations (attach Annexure if required)

Below is an indicative list of manpower deployed for information security audits in Government and Critical sector organizations

| S.No. | Name of Employee | Duration with KPMG | Experience in Information Security | Qualifications related to Information security |
|-------|-------------------|--------------------|------------------------------------|--|
| 1 | Akhilesh Tuteja | 15 years | 15 years | CISSP, CRISC, CISA |
| 2 | Atul Gupta | 13 years | 13 years | CISA |
| 3 | Sony Anthony | 8 years | 12 years | None |
| 4 | Priyank Baveja | 6 years | 9 years | SSCP |
| 5 | Preetam Hazarika | 3 years | 10 years | CISSP, CISA,CEH |
| 6 | Mahesh Gharat | 1 year | 10 years | CISSP, CISA,CEH |
| 7 | Terence Cornelius | 3 years | 10 years | CISSP, ISO 27001 LA,BS 25999 LA, CCSK |
| 8 | Aniket Bhosle | 3 years | 5 years | None |
| 9 | Rahul Jain | 1 years | 5 years | CISA |
| 10 | Ramit Gupta | 1 years | 5 years | CEH, CyberArk Security Expert |
| | | | | |

| | | | | |
|----|----------------------|------------------|-------------------|--|
| 11 | Tantuj Singh | 1 years | 3 years | CEH, ISO 27001 LA |
| 12 | Saahil Chopra | 3 years | 4 years | None |
| 13 | Angad Singh | 3 years | ISO 27001 LA, CEH | 5 years |
| 14 | Akanksha Saxena | 1 years | 3 years | ISO 27001 LA |
| 15 | Paritosh Saxena | 1 years | 1 years | None |
| 16 | Pratiksha Doshi | 5 years | 10 years | CISSP,CEH |
| 17 | Roopesh Yadav | 4 years | 3 years | None |
| 18 | Kedar Telavane | 3 years | 7 years | CISSP, CISM |
| 19 | Urmimala Das | 2 years | 6 years | CEH |
| 20 | Aditya Tawde | 3 years | 7 years | None |
| 21 | Rohit Raisinghani | 3 years | 5 years | CCNA |
| 22 | Cyril James | 3 years | 6 years | CEH, JNCIA-FW, CCNA |
| 23 | Paresh Jain | 9 months | 3 years | CEH |
| 24 | Anu Gupta | 3 years | 4 years | ISO27001 Lead Auditor |
| 25 | Sourabh Shrivastava | 6 months | 3 years | CCNA |
| 26 | Hemant Singh | 1 years | 4 years | PG Diploma in Information Security (from CDAC) |
| 27 | Sohil Thanki | 3 months | 3 years | CEH |
| 28 | Janardan Shinde | 3 years | 4 years | None |
| 29 | Ashwani Talreja | 1 month | 1 years | CEH |
| 30 | Anupama Atluri | 2 years | 7 years | CEH |
| 31 | Shruthi L Rao | 2 years | 6 years | None |
| 32 | Neha Malik | 1 year | 3 years | CEH, CompTIA Security + |
| 33 | Asha Rani M | 1 year | 3 years | None |
| 34 | Bharath Srinivasan | 1 year | 5 years | CEH,SCJP |
| 35 | Darshan Suvarna | 1 year | 3 years | GPEN |
| 36 | Mohammed Farhan | 5 months | 5 months | CEH, CHFI, ECSA |
| 37 | Kenneth Moras | 3 years | 3 years | CEH, CCNA |
| 38 | Tanya Tejaswi | 9 months | 9 months | None |
| 39 | Sumant Lohiya | 8 months | 8 months | None |
| 40 | K. Vijaya Krishna | 2 years | 3 years | None |
| 41 | Rajiv Ranjan Dubey | 1 year 10 months | 3 years | CEH |
| 42 | Samagata Sengupta | 4 years | 6 months | None |
| 43 | Somdutta Chakraborty | 7 months | 1 year | None |
| 44 | Kuldeep Singh Thakur | 2 years 4 months | 1 year | None |
| 45 | Vishal Sirumalla | 1 year 9 months | 4 years | ITIL,LA,CEH,ISMS |
| 46 | Nagrajan Charan | 1 year 5 months | 1 year | CISA qualified, ISO270001 LA |

8. Specify Largest Project handled in terms of scope (in terms of volume, complexity, locations etc.) along with project value.

Below mentioned are projects, which are indicative of the size and complexity, managed by KPMG.

- State-Wide Area Network (SWAN) Third Party Audit (TPA) across 9 states in India
- State Data Center (SDC) Third Party Audit across 5 states in India
- Crime and Criminal Tracking Network System – Program Management and Audit of Implementation

9. List of Information Security Audit Tools used (commercial/ freeware/proprietary):

Freeware Tools :

1. NMAP - Network security
2. NetStumbler - Network security
3. AirSnort - Network security
4. SuperScan - Network security
5. Nikto - Web Systems & Applications security
6. THC - Web Systems & Application security
7. CIS - Local Systems & Applications security
8. As400 - Local Systems & Applications security
9. CAIN - Password cracking
10. Brutus - Password cracking
11. JohntheRipper - Password cracking
12. SNMPWalk - Router and network management
13. SNMP Scanner - Router and network management
14. RIP query - Router and network management
15. RAT - Router and network management
16. DumpSec - Windows security
17. Wireshark - Network sniffing
18. MBSA - Windows security
19. SQL Scan - Database security

Commercial Tools:

1. ISS Internet - Network security
2. Webinspect - Web Systems & Applications security
3. AppScan - Web Systems & Applications security
4. Bindview - Local Systems & Applications security
5. ISS DB - Database Security
6. AppDetective - Database Security
7. Nessus - Network security
8. Power Tech
9. VeloSecure
10. IPLocks - Database Security
11. Qualsys Guard
12. Core Impact
13. Acunetix

Proprietary Tools :

1. *nix Scripts - Security Configuration review of *nix systems
2. Database Scripts - Security Configuration review of databases
3. SAP Security Explorer - Security and Configuration review of SAP
4. CHILLI (V. 1.2.0) - Network Discovery
5. OSCR - Oracle Security Review
6. KPMG Application Quality Assessment Tool
7. AS/400 User Profile Analysis - Security Review

10. Outsourcing of Project to External Information Security Auditors / Experts : Yes/No: (If yes, kindly provide oversight arrangement (MoU, contract etc.))

As a practice KPMG provides such services without outsourcing to external security auditing experts. In specific cases, in order to address client requirements, such work may be outsourced on a contract basis.

*Information as provided by **KPMG** on **15th November, 2013**

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**Snapshot of skills and competence of CERT-In empanelled
Information Security Auditing Organisation**

M/s Locuz Enterprise Solutions Ltd.

1. Name & location of the empanelled Information Security Auditing Organization :

Locuz Enterprise Solutions Ltd.

**5th Floor, South Wing, Tower 3, ICICI Towers, Financial District, Gachibowli,
Hyderabad – 500032, Andhra Pradesh, India.**

[P] +91-40-67313200, +91-40-67313201,

[F] +91-40-67313202

2. Carrying out Information Security Audits since : August 2001

3. Capability to audit , category wise (add more if required)

| | |
|--|-----|
| • Network security audit (Y/N) | Yes |
| • Web-application security audit (Y/N) | Yes |
| • Wireless security audit (Y/N) | Yes |
| • Compliance audits (ISO 27001, PCI, etc.) (Y/N) | No |

4. Information Security Audits carried out in last 12 Months :

| | | |
|--|---|----|
| Govt. | : | 14 |
| PSU | : | 08 |
| Private | : | 04 |
| Total Nos. of Information Security Audits done | : | 26 |

5. Number of audits in last 12 months , category-wise (*Organization can add categories based on project handled by them*)

| | | |
|--|---|-----|
| Network security audit | : | 06 |
| Web-application security audit | : | 22 |
| Wireless security audit | : | 06 |
| Compliance audits (ISO 27001, PCI, etc.) | : | Nil |

6. Technical manpower deployed for information security audits :

| | | |
|--|---|-----|
| CISSPs | : | 01 |
| BS7799 / ISO27001 LAs | : | 02 |
| CISAs | : | Nil |
| DISAs / ISAs | : | Nil |
| Any other information security qualification | : | 02 |
| Total Nos. of Technical Personnel | : | 05 |

7. Details of technical manpower deployed for information security audits in Government and Critical sector organizations (attach Annexure if required)

| S. No. | Name of Employee | Duration with <LOCUZ> | Experience in Information Security | Qualifications related to Information security |
|--------|-----------------------|-----------------------|------------------------------------|--|
| 1 | Uttam Mujamdar | 13 | 10 | CISSP |
| 2 | Veerender Dev Cherala | 5+ Years | 6 Years | CEH, ISO 27001:2005 LA training attended |
| 3 | Ganesh Babu | 2+ Years | 3 Years | CEH |
| 4 | Narendra Nath Swarna | 2+ Years | 2+ Years | ISO 27001:2005 LA training attended |

8. Specify Largest Project handled in terms of scope (in terms of volume, complexity, locations etc.) along with project value.

| Client Name | Location | Activity | Period | Locations | Value |
|-------------|--|---|---------------|-------------|--------------|
| Obeikan | Obeikan P.O. Box 6672, Riyadh 11452, Kingdom of Saud Arabia URL: www.obeikan.com.sa | Security Assessment, Vulnerability Assessment, IT Infrastructure Consulting Services & Gap Analysis | 2012- 2013 | 2 locations | Confidential |

9. List of Information Security Audit Tools used (commercial/ freeware/proprietary):

Nmap
Superscan
Metasploit & Securityforest - Penetration Testing
Process explorer, Sigcheck, Kproccheck - Windows Kernel & malware detection
Netstumbler & Kismet – WLAN Auditing
Nikto - Web server vulnerability scanner
SQLMap – SQL Injections
Wireshark – Protocol Analyzer
BackTrack tools
Burp Proxy
ManageEngine-Monitoring Tool

10. Outsourcing of Project to External Information Security Auditors / Experts : No
(If yes, kindly provide oversight arrangement (MoU, contract etc.))

* Information as provided by **Locuz Enterprise Solutions Ltd.** on 24-05-2013

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**Snapshot of skills and competence of CERT-In empanelled
Information Security Auditing Organisation**

M/s Mahindra Special Services Group

1. Name & location of the empanelled Information Security Auditing Organization :

Mahindra Special Services Group (Division of Mahindra Defence Systems Ltd),
5th Floor Times Square,
Western Express High Way, Andheri (East),
Mumbai - 400069

2. Carrying out Information Security Audits since : 2002

3. Capability to audit , category wise (add more if required)

- Network security audit (Y/N) Yes
- Web-application security audit (Y/N) Yes
- Wireless security audit (Y/N) Yes
- Compliance audits (ISO 27001, PCI, etc.) (Y/N) Yes

4. Information Security Audits carried out in last 12 Months :

Govt. : <None>
PSU : <01>
Private : <more than 50>
Total Nos. of Information Security Audits done : 51

5. Number of audits in last 12 months , category-wise (*Organization can add categories based on project handled by them*)

Network security audit : <more than 10>
Web-application security audit : <more than 10>
Wireless security audit : <01>
Compliance audits (ISO 27001, PCI, etc.) : <more than 20>

6. Technical manpower deployed for information security audits : CISSPs : <Nil> BS7799 / ISO27001 LAs : <29> CISAs : <08> DISAs / ISAs : <Nil> Any other information security qualification: <13> Total Nos. of Technical Personnel : 45

7. Details of technical manpower deployed for information security audits in Government and Critical sector organizations (attach Annexure if required)

| S. No. | Name of Employee | Duration with <MSSG> | Experience in Information Security | Qualifications related to Information security |
|--------|--------------------|----------------------|------------------------------------|--|
| 1 | Anurag Varma | 5 years | 5 years | ISO27001 |
| 2 | Javed Khan | 3 years | 4 years | CEH, RHCE, ACSE |
| 3 | Omkar Kude | 3 years | 5 years | ISO27001, CISM |
| 4 | Deepak Varde | 11 years | 6 years | ISO27001, CISA, CISM, CRISC, CISP |
| 5 | Shailesh Srivastav | 5 years | 5 years | ISO27001, CISA |
| 6 | Sumit Sinha | 1 year | 10 years | ISO27001, CISA, CISM, CCCI |
| 7 | Madan Mohan | 2 years | 9 years | ISO27001, BS25999 |
| 8 | Rahul Misra | 2 years | 3 years | ISO27001, CISM |

8. Specify Largest Project handled in terms of scope (in terms of volume, complexity, locations etc.) along with project value.

- Lupin Pharma – 50L (ISMS, Tech, Implementation, Training and Sustenance)
- ICICI Lombard – 25L (Tech Testing)
- Tata Steel – 30L (ISMS, Tech, Implementation , Training and Sustenance)
- Aviva Life Insurance – 50L (BCMS, Training)
- Mahindra & Mahindra Ltd – 70L (ISMS, Tech, Implementation , Training & Sustenance)

9. List of Information Security Audit Tools used (commercial/ freeware/proprietary):

- Nmap
- Nessus
- Metasploit
- BackTrack
- Accunetix
- BurpSuite
- Nexpose
- Nikto
- Manual Testing Techniques

10. Outsourcing of Project to External Information Security Auditors / Experts: Yes/No - NO (If yes, kindly provide oversight arrangement (MoU, contract etc.))

*Information as provided by **Mahindra Special Services Group** on 20th May 2013

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**Snapshot of skills and competence of CERT-In empanelled
Information Security Auditing Organisation**

M/s MIEL e-Security Private Limited

1. Name & location of the empanelled Information Security Auditing Organization :

MIEL e-Security Private Limited
AML Centre – 1, 4th Floor,
8 Mahal Industrial Estate,
Mahakali Caves Road,
Andheri (East),
Mumbai - 400093

2. Carrying out Information Security Audits since : 2002

3. Capability to audit , category wise (add more if required)

| Category | Capability |
|---|------------|
| Application Security Assessment | Yes |
| Web-Application Penetration Testing | Yes |
| Secure Code Review | Yes |
| Mobile Application Security | Yes |
| Network Security Architecture Review | Yes |
| Wireless Security Audit | Yes |
| Configuration Review | Yes |
| Vulnerability Assessment | Yes |
| Penetration Testing | Yes |
| Compliance Audits (ISO 27001, PCI, etc.) | Yes |
| Information Security Policy Review & Formulation | Yes |
| Information Security Management System (ISMS) Consultancy | Yes |
| Business Continuity Management System (BCMS) Consultancy | Yes |
| PCI – DSS Implementation | Yes |

4. Information Security Audits carried out in last 12 Months :

| Sector | No. of Audits |
|--|---------------|
| Govt. | 12 |
| PSU | 22 |
| Private | 53 |
| Total Nos. of Information Security Audits done | 87 |

5. Number of audits in last 12 months , category-wise (*Organization can add categories based on project handled by them*)

| Service | No. of Audits |
|--|---------------|
| Web-Application Penetration Testing | 26 |
| Secure Code Review | 5 |
| Mobile Application Security | 3 |
| Network Security Architecture Review | 12 |
| Wireless Security Audit | 5 |
| Vulnerability Assessment | 57 |
| Penetration Testing | 57 |
| Information Security Policy Review & Formulation | 1 |

| | |
|---|----|
| Information Security Management System (ISMS) Consultancy | 27 |
| Business Continuity Management System (BCMS) Consultancy | 2 |
| PCI-DSS Implementation | 1 |

6. Technical manpower deployed for information security audits :

| Certification | No. of Personnel |
|--|------------------|
| CISSPs | N/A |
| BS7799 / ISO27001 LAs | 6 |
| CISAs | 2 |
| DISAs / ISAs | N/A |
| Any other Information Security Qualification: | |
| CEH | 4 |
| CCNA | 2 |
| ITIL | 3 |
| ISO 20000 | 2 |
| Total No. of Technical Personnel (including certified and non-certified) | 84 |

7. Details of technical manpower deployed for information security audits in Government and Critical sector organizations (attach Annexure if required)

| Sr. No. | Name of Employee | Duration with MIEL | Experience in Information Security | Qualifications related to Information security |
|---------|-------------------|--------------------|------------------------------------|--|
| 1 | Akhil Redkar | 2 years | 8 years | CISA, CISM, SSCP, CEH, ITIL V2, ITIL V3, ISO 27001LA, BS 25999 LI, ISO 20000 I |
| 2 | Pradeep Mahangare | 6 years | 6 years. | CEH, CCNA |
| 3 | Rajendran C | 1.3 years | 26 years | PMP, ITIL, CCNA, CCNP, BS7799 LA, SCSA, SCNA, IBM AIX Admin |
| 4 | Sohil Thanki | 1.6 years | 4 years | CEH v6, Diploma in Cyber Law, CISA |
| 5 | Benil Thomas | 2 years | 7 years | ISO 27001LA, BS 25999 LI |
| 6 | Amit Singh | 3 years | 3 years | PRISM (MIEL) |

8. Specify Largest Project handled in terms of scope (in terms of volume, complexity, locations etc.) along with project value.

| Customer Name | No. of Locations where the project was carried out | Activities | Cost |
|--------------------------------------|--|--|--------------|
| A Leading Petroleum Company in Sudan | Two (02) - (Sudan and Sharjah) | <ul style="list-style-type: none"> Vulnerability Assessment Penetration Testing Configuration Review Network Security Architecture Review Security Baseline Documents | USD 104000/- |

9. List of Information Security Audit Tools used (commercial/ freeware/proprietary):

| Commercial Tools | | | |
|------------------|------------------|--------------|------------------|
| Acunetix | | IBM Appscan | |
| Burp Suite | | Nessus Pro | |
| Core Impact | | Nipper | |
| Freeware | | | |
| Nmap | Exploit database | Iron Wasp | SQL Map |
| DOMTOOLS | Fiddler | John | SQL Tools |
| Aircrack -Ng | Firewalk | MetaSploit | SSL Strip |
| Back Track | Grimwepa | NetCat | Tamper Data |
| Brutus | Hamster | Nikto | FoundStone Tools |
| CAIN & Able | Hping | OpenVas | W3af |
| Directory Buster | Hping2 | Owasp Mantra | WebSleuth |

| | | | |
|--|----------|-----------------------------|------------|
| Dsniff | HTTPrint | Paros | Wikto |
| Ethereal | HTTrack | Rips | Wire Shark |
| Ethercap | Hydra | Social Engineering Tool Kit | |
| Proprietary Tool | | | |
| MIEL End-Point Diagnostic Service (MEDS) is a centralized, compliance auditing solution that considerably simplifies the process of verifying the technical compliance levels of systems across the entire enterprise. | | | |

10. Outsourcing of Project to External Information Security Auditors / Experts: Yes/No No
(If yes, kindly provide oversight arrangement (MoU, contract etc.))

*Information as provided by **MIEL e-Security Private Limited** on 23rd May, 2013

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**Snapshot of skills and competence of CERT-In empanelled
Information Security Auditing Organisation**

M/s Net-Square Solutions Pvt. Ltd

1. Name & location of the empanelled Information Security Auditing Organization :

Net-Square Solutions Pvt. Ltd, Ahmedabad

2. Carrying out Information Security Audits since : 2001

3. Capability to audit , category wise (add more if required)

| | | |
|--|---|-----|
| • Network security audit | : | Yes |
| • Web-application security audit | : | Yes |
| • Wireless security audit | : | Yes |
| • Mobile application audit | : | Yes |
| • Application Code Reviews | : | Yes |
| • IT security design consulting | : | Yes |
| • Social Media Threat Evaluations | : | Yes |
| • Compliance audits (ISO 27001, PCI, etc.) | : | No |

4. Information Security Audits carried out in last 12 Months :

| | | |
|--|---|----|
| Govt. | : | 2 |
| PSU | : | 1 |
| Private | : | 20 |
| Total Nos. of Information Security Audits done | : | 23 |

5. Number of audits in last 12 months , category-wise (*Organization can add categories based on project handled by them*)

Network security audit:

3 Web-application and mobile application security audit : 17

Code reviews and secure coding training : 4

Social Engineering and security process audits:

2 Wireless security audit: 3 Compliance audits (ISO 27001, PCI, etc.): 2

6. Technical manpower deployed for information security audits : CISSPs : 1 CISAs : 1 Any other information security qualification:

| | | |
|---|---|----|
| MCTS | : | 1 |
| CCNA Security | : | 1 |
| CEH | : | 3 |
| Cyber Security Specialists: 2 Certified Forensics Professionals : | | 2 |
| Total Nos. of Technical Personnel | : | 22 |

7. Details of technical manpower deployed for information security audits in Government and Critical sector organizations (attach Annexure if required)

| S No. | Name | Designation | Duration with Net-Square Solutions | Experience in Information Security | Technical Certifications |
|-------|--------------|------------------------|------------------------------------|------------------------------------|--|
| 1. | Saumil Shah | CEO | 13+ years | 17+ years | Certified Information Systems Security Professional (CISSP) |
| 2. | Hiren Shah | President | 2.5 years | 15+ years | a. Certified Information Security Auditor (CISA) b. Certified in the Governance of Enterprise IT (CGEIT) |
| 3. | Aditya Modha | Team Lead - Consulting | 2.5 years | 4 years | Microsoft Certified Technology Specialist (MCTS) in .NET |

| | | | | | |
|----|------------------|------------------|-----------|-----------|--|
| | | | | | Framework 2.0 Web Applications |
| 4. | Rohan Braganza | Security Analyst | 1.5 years | 2.5 years | a. Certified Ethical Hacker (CEH) b. Cisco Certified Network Associate (CCNA) c. Cisco Certified Network Associate(CCNA) – Security |
| 5. | Yogesh Deshpande | Security Analyst | 1 year | 1 year | a. Certified Professional Hacker (CPH) b. Certified Information Security Consultant (CISC) c. Certified Professional Forensics Analyst (CPFA) |
| 6. | Shyam Kumar | Security Analyst | 6 months | 1 year | a. Certified Ethical Hacker (CEH) b. Certified Cyber Security Expert c. L1 Ethical Hacking Expert |
| 7. | Girish Shrimali | Security Analyst | 6 months | 2 years | a. Certified Ethical Hacking Expert b. Certified Cyber Security Expert |
| 8. | KEP Vasudeva | Security Analyst | 4 months | 1.6 years | a. Certified Cyber Security Expert |

8. Specify Largest Project handled in terms of scope (in terms of volume, complexity, locations etc.) along with project value.

- Annual Information Security project with client based out of multiple locations in India and USA. Project having work scope of 24 man months which includes testing of web applications, client server applications and network and security reviews of offshore sites. The total project value has been US \$ 200,000.

9. List of Information Security Audit Tools used (commercial/ freeware/proprietary):

| S. No. | Name of Tool | What will it be used for | Commercial/freeware / proprietary |
|--------|--|--|-----------------------------------|
| 1 | BURP Suite Professional (licensed to Net-Square) | HTTP request interception and modification | Commercial |
| 2 | BURP Extensions (custom developed) | Enhances burpsuite and makes it easier to work with it. | Proprietary |
| 3 | VMware Workstation/Player | Helps to install and run one or more os(s) virtually. | Commercial |
| 4 | Backtrack 5 R3 virtual machine image | Used to install backtrack os. | Freeware |
| 5 | DirBuster | Used to bruteforce the directories in a webapp. | Freeware |
| 6 | Tilde Scanner | Find the files on windows IIS server which | Freeware |
| 7 | NMap | Used to scan for the open ports and services on a webserver. | Freeware |
| 8 | W3af | Web Application audit and attack framework used for auditing and exploiting web apps. | Freeware |
| 9 | Metasploit framework | The framework enables us to run the exploits, create sessions and exploit vulnerable apps. | Freeware |
| 10 | Nikto | A Webapplication vulnerability scanner that can test all the possible vulnerabilities in a webapplication. | Freeware |
| 11 | Nessus | A Webapplication vulnerability/network scanner that can be used in local machine to test the web | Commercial |

10. Outsourcing of Project to External Information Security Auditors / Experts : No
(If yes, kindly provide oversight arrangement (MoU, contract etc.))

*Information as provided by **Net-Square Solutions Pvt. Ltd.** on 22nd May 2013

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**Snapshot of skills and competence of CERT-In empanelled
Information Security Auditing Organisation**

M/s NETMAGIC SOLUTIONS PVT. LTD.

1. Name & location of the empanelled Information Security Auditing Organization :

NETMAGIC SOLUTIONS PVT. LTD.
2nd Floor, (North Side), Block B-2, Phase I,
Nirlon Knowledge Park,
Off. Western Express Highway,
Goregaon (East) Mumbai - 400063

2. Carrying out Information Security Audits since : 2006

3. Capability to audit , category wise (add more if required)

- Network security audit (Y/N) : Yes
- Web-application security audit (Y/N) : Yes
- Wireless security audit (Y/N) : Yes
- Compliance audits (ISO 27001, PCI, etc.) (Y/N) : Yes

4. Information Security Audits carried out in last 12 Months:

Govt. : 0
PSU : 0
Private : 10
Total Nos. of Information Security Audits done: 10

5. Number of audits in last 12 months , category-wise (*Organization can add categories based on project handled by them*)

Network security audit: 3
Web-application security audit: 8
Wireless security audit: 0
Compliance audits (ISO 27001, PCI, etc.): 0

6. Technical manpower deployed for information security audits :

CISSPs : <number of> BS7799 / ISO27001 LAs: 5
CISAs : 1
DISAs / ISAs : <number of>
Any other information security qualification: CEH -6, CCSP – 4, CCSA - 1
Total Nos. of Technical Personnel: 10

7. Details of technical manpower deployed for information security audits in Government and Critical sector organizations (attach Annexure if required)

| S. No. | Name of Employee | Duration with <organization> | Experience in Information Security | Qualifications related to Information security |
|--------|------------------|------------------------------|------------------------------------|--|
| 1 | Alok Tripathi | 15 months | 8 years | CEH, H3X, ISO 27001 LA, ISO 2000 |
| 2 | Srinivas Prasad | 62 months | 4 years | CISC, CPH, CPFA, ISO 27001 LA |
| 3 | Homesh Joshi | 14 months | 7 years | ISO 27001 LA |
| 4 | Shabbir Ahmed | 31 months | 8 years | CEH, ISO 27001 LA, CCIE, MCSE, CCSA, MCTS |

8. Specify Largest Project handled in terms of scope (in terms of volume, complexity, locations etc.) along with project value.

Netmagic's one of the largest and complex project was to carry out Information Security Assessment / Audit for one of India's biggest Tele-Communication company. The scope of entire activity included

- Vulnerability Assessment / Penetration Testing
- Configuration Audit of Network Devices
- Technical /Configuration Assessment of (Windows and Unix) Servers
- Policy and Process Audit
- Change and Problem Management Policy & Procedure review

This project also included around 350 URLs of Web and Mobile Application assessment and penetration testing covering technologies like PHP, ASPX, iSDK, Android SDK, Linux, Win Server, Oracle, MS SQL Server, Java, WAP gateways, BB SDK etc.

The project value was approximately 15 Lacs and managed security services worth 1 Cr. INR.

9. List of Information Security Audit Tools used (commercial/ freeware/proprietary):

Open Source

- WebScarab/Paros/Burp
- Grendle scan
- Backtrack 5 distro tools
- Dir buster
- WebSecurify
- Android / blackberry / iphone simulators

Commercial

- Nessus

10. Outsourcing of Project to External Information Security Auditors / Experts : Yes/No
(If yes, kindly provide oversight arrangement (MoU, contract etc.)) No

*Information as provided by **Netmagic Solutions Pvt. Ltd.** on **10/09/2012**.

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**Snapshot of skills and competence of CERT-In empanelled
Information Security Auditing Organisation**

M/s Network Intelligence India Pvt. Ltd.

1. Name & location of the empanelled Information Security Auditing Organization :

Network Intelligence India Pvt. Ltd.,
Mumbai

2. Carrying out Information Security Audits since : 2001

3. Capability to audits, category wise (add more if required)

- Network security audit: Yes
- Web-application security audit: Yes
- Wireless security audit: Yes
- Compliance audits (ISO 27001, PCI, etc.): Yes
- SCADA security audit: Yes
- Telecom security audit: Yes

4. Information Security Audits carried out in last 12 Months :

Govt. : 25
PSU : 3
Private : 90
Total Nos. of Information Security Audits done : 118

5. Number of audits in last 12 months , category-wise (*Organization can add categories based on project handled by them*)

Network security audit: 26
Web-application security audit: 76
Wireless security audit: 20
Compliance audits (ISO 27001, PCI, etc.): 26

6. Technical manpower deployed for information security audits :

CISSPs : 4
BS7799 / ISO27001 LAs : 10
CISAs : 3
DISAs / ISAs : None
Any other information security qualification: 10
Total Nos. of Technical Personnel : 40

7. Details of technical manpower deployed for information security audits in Government and Critical sector organizations (attach Annexure if required)

| S. No. | Name of Employee | Duration with <organization> | Experience in Information Security | Qualifications related to Information Security |
|--------|------------------|------------------------------|------------------------------------|--|
| 1 | TAS | 5 | 5 | CEH |
| 2 | VT | 5 | 5 | CCNA, RHCE, CPH, CPFA |
| 3 | WH | 4 | 4 | CPH |
| 4 | Omair | 3 | 7 | CEH, OSCP, Juniper Certified, RHCE, VMware Certified |
| 5 | SY | 4 | 4 | CWASP, CPH |
| 6 | DR | 4 | 4 | CWASP, CPH |
| 7 | ST | 3 | 3 | CPH, CPFA, CWASP, OSCP |
| 8 | RD | 1 | 6 | CISSP |
| 9 | DM | 3 | 5 | CISSP, CISA |
| 10 | KKM | 11 | 11 | CISSP, CISA, CISM, CRISC |

| | | | | |
|----|----|---|---|-------|
| 11 | DR | 1 | 8 | CISSP |
| 12 | JP | 3 | 6 | |

8. Specify Largest Project handled in terms of scope (in terms of volume, complexity, locations etc.) along with project value.

Powergrid Corporation of India Ltd.
 More than 50 network devices, 1000+ end-points, 50+ servers, SCADA systems
 Spread over 5 locations of the country
 Project value: approximately INR: 15 lakhs

9. List of Information Security Audit Tools used (commercial/ freeware/proprietary):

Proprietary: AuditPro, Firesec

Commercial: Netsparker, Burp Suite Pro, Nessus, GFI, Havij, Appscan, Acunetix, Checkmarx, Veracode, Cenizic Hailstorm

Freeware: Nmap, Backtrack, Metasploit, Browser Add-ons, Fiddler, .NET Reflector, Microsoft Threat Modeling Tool, Nikto, Wikto, FuzzDB, Cain & Able, BinScope, Numerous Malware Analysis Tools, JTR, Crack, ADInfo, Hyena, Wireshark, Sysinternals Tools, SNMPWalk, Hping, netcat, and many others too numerous to list all of them.

10. Outsourcing of Project to External Information Security Auditors / Experts : No
 (If yes, kindly provide oversight arrangement (MoU, contract etc.))

*Information as provided by **Network Intelligence India Pvt. Ltd.** on **14/09/2012**

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**Snapshot of skills and competence of CERT-In empanelled
Information Security Auditing Organisation**

M/s Paladion Networks Pvt Ltd

1. Name & location of the empanelled Information Security Auditing Organization :

*Paladion Networks Pvt Ltd
Head Office
Shilpa Vidya 49, 1st Main,
3rd Phase, JP Nagar,
Bangalore-560078*

2. Carrying out Information Security Audits since : <Year>: 2000

3. Capability to audit , category wise (add more if required)

- Network security audit : Yes
- Web-application security audit : Yes
- Wireless security audit : Yes
- Compliance audits (ISO 27001, PCI, etc.) : Yes
- Source Code Review : Yes

4. Information Security Audits carried out in last 12 Months :

Govt. : <20+>
PSU : <40+>
Private : <65+>
Total Nos. of Information Security Audits done : 150+

5. Number of audits in last 12 months , category-wise (Organization can add categories based on project handled by them)

Network security audit: <200+>
Web-application security audit: <60+>
Wireless security audit: <10+>
Compliance audits (ISO 27001, PCI, etc.): <25+>

6. Technical manpower deployed for information security audits :

CISSPs : <22>
BS7799 / ISO27001 LAs : <37>
CISAs : <13>
DISAs / ISAs : <10>
Any other information security qualification: <37>
Total Nos. of Technical Personnel : 175+

7. Details of technical manpower deployed for information security audits in Government and Critical sector organizations (attach Annexure if required): **provided in Annexure_D**

8. Specify Largest Project handled in terms of scope (in terms of volume, complexity, locations etc.) Along with project value.

| S.No. | Customer Name | Location | Scope | Project Value |
|-------|-------------------------|---------------|---|---|
| 1 | Standard Chartered Bank | Chennai-India | a) Secure configuration review b) Firewall rule base audit c) Internal penetration test d) External penetration test e) Host discovery f) Web application vulnerability scan | Confidential Will Provide up on Request |
| 2 | GMR | Bangalore- | 5 Application Per Quarter Security Testing | Confidential Will Provide up on |

| | | | | |
|---|----------------------|------------------------|--|--|
| | | <i>India</i> | <i>50 IPs Per Quarter-External Penetration Testing</i> | <i>Request</i> |
| 3 | <i>Sony</i> | <i>Bangalore-India</i> | <i>25 Web Application Per quarter 30IPs Per Quarter-Network Penetration Testing 10 Applications Per Year-Code Review 10 Mobile Application Testing</i> | <i>Confidential Will Provide up on Request</i> |
| 4 | <i>Digital River</i> | <i>Minnesota-US</i> | <i>10 - 15 Enterprise Application Security – Program Annually</i> | <i>Confidential Will Provide up on Request</i> |

9. List of Information Security Audit Tools used (commercial/ freeware/proprietary):

| S. No. | Activities | Security Audit tools |
|---------------|---------------------------------|--|
| 1 | Network Penetration Testing | <i>Nslookup, Dnsrecin, Dnsmap, Metagoofil, fragroute, whisker, Nmap, Firewalk, SNMPc, Hping, xprobe, Amap, Nessus, Nikto, L0phtcrack, John the ripper, Brutus and Sqliidict.</i> |
| 2 | Wireless Penetration Testing | <i>AirSnort, WinDump, Ethereal, WEPCrack, NetStumbler, Kismet, AirTraf, WaveStumbler, Aircrack-ng Suite & Ettercap</i> |
| 3 | Internal Vulnerability Scanning | <i>Qualys Guard & Nessus Professional</i> |
| 4 | Application Security Assessment | <i>Cenzic Hailstorm, Burp Proxy and Scanner, Paros Proxy and Scanner, Wireshark, Winhex, , CSRF Tester, Elixan, OpenSSL, tHCSSLCheck, Firefox Extensions</i> |
| 5 | Social Engineering | <i>Paladion Social Engineering tool</i> |
| 6 | ASV Scans | <i>Qualys professional</i> |
| 7 | War Driving | <i>Netstumbler, Kismac, or Kismet</i> |
| 8 | Source Code Review | <i>Checkmarx & Paladion Preparatory tool</i> |
| 9 | Configuration Review | <i>Prexio</i> |

10. Outsourcing of Project to External Information Security Auditors / Experts: No
(If yes, kindly provide oversight arrangement (MoU, contract etc.))

*Information as provided by **Paladion Networks Pvt Ltd.** on **10/09/2012**

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Annexure_D

| Employee Name | DOJ | Certifications | Prior experience | Total exp in Paladion |
|--------------------------|-----------|--|------------------|-----------------------|
| Arun Sharma | 7-May-07 | ISO 27001 Lead Auditor | 2.5 | 5 yrs 4 mths |
| Amirthamurugaraj | 9-May-07 | MCSE, CCNA, BS7799 Lead Auditor, QHS | 11 | 5 yrs 3 mths |
| Prashant Kumar Verma | 2-Jul-07 | NA | 1.3 | 5 yrs 2 mths |
| Saurabh Nigam | 2-Jul-07 | CCNA,CSSA,ISO 27001 LA | 3 | 5 yrs 2 mths |
| Manjot Singh | 10-Sep-07 | CISSP | 1.5 | 4 yrs 11 mths |
| Fayaz Jamadar | 26-Nov-07 | CISSP, CISA | 15 | 4 yrs 9 mths |
| Sreejith Pillai | 19-Dec-07 | ACSA | 1.5 | 4 yrs 8 mths |
| Santosh Jadhav | 19-Feb-08 | CCNA, CEH v5.0, CCSA, CISSP | 3.4 | 4 yrs 6 mths |
| Deepak Khandekar | 3-Mar-08 | CCNA, ITIL, ISO 27001 LA | 5 | 4 yrs 6 mths |
| Pratap Shirbhate | 6-Mar-08 | RHCSA, RHCE | 1.2 | 4 yrs 6 mths |
| Balasubramanya C | 6-Mar-08 | SSIM certified engineer, Microsoft certified professional | 1 | 4 yrs 6 mths |
| Pratish Kumar | 10-Mar-08 | CCNA, OCP | 2 | 4 yrs 5 mths |
| Zahir Waddo | 5-May-08 | CCNA,CCNA, ISO 27001 LA, CISA | 2.4 | 4 yrs 4 mths |
| Jithin Raj | 16-Jun-08 | MCP, CCNA, CCSA, CSSA, CEH, ISO 27001, McAfee ACE | 4.5 | 4 yrs 2 mths |
| Asok Ramachandran | 18-Jun-08 | DIIM (Diploma in IT Infrastructure Management)-CMC Limited, MCP, ITIL V3, ISO/IEC 27001 Implementer, CEH, ITIL v3, MCP | 1 | 4 yrs 2 mths |
| David Raphael | 16-Jun-08 | NA | 1 | 4 yrs 2 mths |
| Rohini B Nair | 2-Jun-08 | MCP | 2.5 | 4 yrs 3 mths |
| Remya Palliseri | 7-Jul-08 | Java And J2EE from Ssi Institute | 1 | 4 yrs 2 mths |
| Rajeev Arakkal | 14-Jul-08 | Microsoft Certified Technology Specialist on Dotnet Framework 3.5 | 3 | 4 yrs 1 mths |
| Girish Bhaskaran | 4-Aug-08 | CISSP,CEH | 5 | 4 yrs 1 mths |
| Lakshmi M N | 11-Aug-08 | NA | 1.4 | 4 yrs 0 mths |
| Amarnath G | 25-Aug-08 | ORACLE10G OCP and 11G OCP | 0.8 | 4 yrs 0 mths |
| Krishna Jere | 10-Sep-08 | CCSA, CCNA, ISO 27001 LA | 7 | 3 yrs 11 mths |
| Anoop Ravindra | 10-Oct-08 | CCNA,CSSA, ISO 27001 Lead Implementor | 6 | 3 yrs 10 mths |
| Ashish Chandra | 14-Oct-08 | LEAD AUDITOR - ISO 27001:2005, LEAD AUDITOR - BS25999: 2007, ITIL FOUNDATION, WIPO, CCNA | 2.9 | 3 yrs 10 mths |
| Hariharan Krishnamoorthy | 15-Oct-08 | ISO27001CA,CVA | 4 | 3 yrs 10 mths |
| Siddique Shahabuddin | 30-Oct-08 | Certified Web Hacking & Security, Professional, ITIL v3, Qualys Certified Professional | 1.3 | 3 yrs 10 mths |
| Dawood Haddadi | 13-Oct-08 | Certified Web Hacking Security Professional, ISO 27001 Lead Auditor | 1 | 3 yrs 10 mths |
| Dheeraj Arakkal | 13-Oct-08 | CEH,CSSA | 3.11 | 3 yrs 10 mths |
| Rahul Jain | 17-Nov-08 | CCNA, CCNP | 1.2 | 3 yrs 9 mths |
| Sagar Patil | 24-Nov-08 | NA | 3.7 | 3 yrs 9 mths |
| Shankar P | 17-Nov-08 | NA | 30 | 3 yrs 9 mths |
| Bahadur Singh | 19-Jan-09 | NA | 1.5 | 3 yrs 7 mths |

| | | | | |
|--------------------------------|-----------|--|-----|---------------|
| Sonali Ingale | 9-Feb-09 | NA | 0.3 | 3 yrs 6 mths |
| Abhishek Ghosh | 9-Feb-09 | OCA IN ORACLE 11G, COMPLETED OCP TRAINING ON ORACLE 10G AND RHCT TRAINING. | 1 | 3 yrs 6 mths |
| Deepthi Rajendran | 20-Apr-09 | NA | 0.7 | 3 yrs 4 mths |
| Vinod V | 11-May-09 | CISSP | 8 | 3 yrs 3 mths |
| Amey Takekar | 11-May-09 | NA | 0.5 | 3 yrs 3 mths |
| Pravin Patil | 11-May-09 | NA | 0.9 | 3 yrs 3 mths |
| Santosh Babu | 19-May-09 | CCNA, RSA Envision | 1.4 | 3 yrs 3 mths |
| Sanjay Nambiar | 25-May-09 | CISA, CEH, ISO 27001 LA, BS 25999 LA | 3.8 | 3 yrs 3 mths |
| Sheetal Salunkhe | 15-Jun-09 | NA | 8 | 3 yrs 2 mths |
| Deepa Mahdi Subramaniam | 18-Jun-09 | UNIX, C, C++, .net, ISO27001 LA | 0.3 | 3 yrs 2 mths |
| Ajish T John | 27-Jun-09 | CCNA, SNPA, CCSA, CCSE, CEH, GCIH | 3.2 | 3 yrs 2 mths |
| Saju Thomas | 1-Jul-09 | RHCSA | 1 | 3 yrs 2 mths |
| Muhammed Riyas P M | 2-Jul-09 | CCNA, MCP, CCSP, CEH, CCSA | 1 | 3 yrs 2 mths |
| Santosh S Deshpande | 27-Jul-09 | ITIL V3 foundation, ISO 27001 LA, | 1.2 | 3 yrs 1 mths |
| Shankar Krishnan | 6-Aug-09 | CISA, ISO 27001LA | 3.8 | 3 yrs 1 mths |
| Shasedaran K K S | 19-Aug-09 | NA | 2.5 | 3 yrs 0 mths |
| Sudesh U | 5-Oct-09 | CCNA, CCNA Security, CEH | 0.7 | 2 yrs 11 mths |
| Shanawaz | 25-Jul-09 | CISSP, MCSA, ISO 27001 LI | 5.6 | 3 yrs 1 mths |
| Joel Blaise Alphonso | 21-Oct-09 | CISSP , CISA , CISA , PCI-DSS - QSA | 6 | 2 yrs 10 mths |
| Shreyas Ambokar | 16-Nov-09 | CCNA, CCSA, ITIL V3 | 2 | 2 yrs 9 mths |
| Jatin Sharma | 23-Nov-09 | MCTP, MCTS | 0.4 | 2 yrs 9 mths |
| Naseer P K | 21-Dec-09 | MCSE,CCNA, CCNA Security ,CCSA,CEH | 0.3 | 2 yrs 8 mths |
| Sunil Kumar J | 1-Feb-10 | CCNA | 0.6 | 2 yrs 7 mths |
| Hardikkumar Vashi | 15-Feb-10 | CISA (1297325), ISO27001 LEAD AUDITOR (ISM01-MO913-0103), CCNA (CSCO11433404) | 3.4 | 2 yrs 6 mths |
| George M Chacko | 26-Feb-10 | CCNA AND CCNA SECURITY | 1.9 | 2 yrs 6 mths |
| Pramukh Arkalgud Ganeshamurthy | 4-Mar-10 | RSA ENVISION Certified, CEH, Qualysguard Vulnerability Management Certificate, Sourcefire Certified Sales Representative Certification | 0.3 | 2 yrs 6 mths |
| Joris Jose | 2-Mar-10 | Mainframe Certification | 5 | 2 yrs 6 mths |
| Siby Thomas | 5-Mar-10 | CCNA, CCNP, CCNSP | 0.7 | 2 yrs 6 mths |
| Asif Javed Siddiqui | 15-Mar-10 | CISA, ISO 27001 LA, ISO 20000 LA, ISO 9001 LA, BS 25999 LA, MCP, IMS INTERNAL AUDITOR - ISO 9001, ISO 14001, OHSAS 18001 | 5 | 2 yrs 5 mths |
| Ashwini Khadye | 15-Mar-10 | NA | 1.5 | 2 yrs 5 mths |
| Dipali Arun Rahate | 19-Apr-10 | NA | 3 | 2 yrs 4 mths |
| Abhishek Kapoor | 19-Apr-10 | CISSP,CISA | 14 | 2 yrs 4 mths |
| Pankaj Gaur | 26-Apr-10 | DOT NET, Software testing, L1 & L2 Forensic Examing | 1.2 | 2 yrs 4 mths |
| Durga Prasad Dube | 12-May-10 | CISA, CGEIT, CAIIB | 27 | 2 yrs 3 mths |
| Tanmoy Saha | 3-Jun-10 | NA | 0.5 | 2 yrs 3 mths |
| Vinayak Ram | 6-Jun-10 | CISA , CISM | 4 | 2 yrs 3 mths |
| Mustufa Kamaal Afghan | 31-May-10 | LA ISO 25999, SAN Audit 409, CSSA, CCSP, CCNA, MCSA 2003 | 4 | 2 yrs 3 mths |
| Rakesh Radhakrishnan | 21-Jun-10 | RHCE, CCNA, CEH | 3 | 2 yrs 2 mths |

| | | | | |
|----------------------------|-----------|--|-----|--------------|
| Fouzan A Shaikh | 22-Jun-10 | CISM Certification, BS 2599 LA, ISO 27001 LA, JNCIS - FWV, JNCIS - SSL, JNCIA - FWV, CCNA | 6 | 2 yrs 2 mths |
| Rahul Gangadharan | 9-Jul-10 | RCSE, SSCP | 0.5 | 2 yrs 1 mths |
| Dharam Chhatbar | 9-Jul-10 | NA | 0.5 | 2 yrs 1 mths |
| Asha MK DSouza | 19-Jul-10 | NA | 7.5 | 2 yrs 1 mths |
| Anugya Saraswat | 20-Jul-10 | OCA | 2 | 2 yrs 1 mths |
| Apurva Deep | 21-Jul-10 | NA | 0.8 | 2 yrs 1 mths |
| Hariharan Anantha Krishnan | 21-Jul-10 | ISO 27001, CEH v7 | 3 | 2 yrs 1 mths |
| Kailas Patil | 27-Jul-10 | NA | 0.5 | 2 yrs 1 mths |
| Mayur Sankpal | 27-Jul-10 | NA | 1.8 | 2 yrs 1 mths |
| Mukesh Ranjan Dhar Dube | 26-Jul-10 | Certified Information Securty Manager (CISM), Certified PRINCE 2 Practioner (for sucessful Project Management),ISO27001 Lead Auditor,CEH, CHFI, CCNA, CSOE, ITIL Foundation, HP-UX Unix Certified System Administrator | 5.7 | 2 yrs 1 mths |
| Harmanjit Singh Bhogal | 30-Jul-10 | CERTIFIED FRAUD EXAMINER, ACTIMIZE CERTIFIED IMPLEMENTOR | 3.8 | 2 yrs 1 mths |
| Jai Singh | 30-Jul-10 | NA | 3 | 2 yrs 1 mths |
| G.S. Sundeep | 5-Aug-10 | NA | 0.3 | 2 yrs 1 mths |
| Awad Afsal | 5-Aug-10 | NA | 1 | 2 yrs 1 mths |
| Ajay Sankhyan | 9-Aug-10 | CCNA, CCNP,Symantec (STS), IBM, RSA (CSF) | 2.5 | 2 yrs 0 mths |
| Muhammed Shiras | 23-Aug-10 | CCNA, CCNP Routing | 3 | 2 yrs 0 mths |
| Ravikanth Chavali | 24-Aug-10 | CCSA, ACIA | 10 | 2 yrs 0 mths |
| Shiva Kumar Annamalai | 25-Aug-10 | ISO 27001 LA | 5.1 | 2 yrs 0 mths |
| Harish Kumar G H | 30-Aug-10 | ITIL Certification | 1.1 | 2 yrs 0 mths |
| Sushma Ranganath | 6-Sep-10 | ISO 27001:2005 | 3 | 2 yrs 0 mths |

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**Snapshot of skills and competence of CERT-In empanelled
Information Security Auditing Organisation**

M/s PricewaterhouseCoopers Pvt. Ltd

1. Name & location of the empanelled Information Security Auditing Organization:

PricewaterhouseCoopers Pvt. Ltd.
Building No.10, 17th Floor, Tower- C,
DLF Cyber City, Gurgaon -122 002

2. Carrying out Information Security Audits since: 1992

3. Capability to audit , category wise (add more if required)

PwC has capabilities to carry out audits for below mentioned categories:

- Network Information security policy Audit against best security practices : Yes
- Compliance Audits (ISO 27001, PCI, etc) : Yes
- Process Security Audit : Yes
- Internet Technology Security Audit : Yes
- Communications Security Audit : Yes
- Web Application security Audit : Yes
- Mobile Security Testing : Yes
- Wireless Security Audit : Yes
- Physical Access Controls & Security Audit : Yes
- Network Security Audit : Yes
- Software Vulnerability Assessment Audit : Yes
- Penetration Testing : Yes
- Business Continuity Planning / Disaster Recovery Audit : Yes

4. Information Security Audits carried out in last 12 Months:

Govt. : 7+
PSU : 10+
Private : 20+
Total Nos. of Information Security Audits done : 35+

5. Number of audits in last 12 months , category-wise (*Organization can add categories based on project handled by them*)

PwC is well equipped in conducting audits as per below mentioned categories:

| Categories | Number of Audits in last 12 months |
|--|------------------------------------|
| Information Security and Compliance Audits | 25+ |
| Process Security Audits | 20+ |
| Vulnerability Assessment and Penetration Testing (including Server/Network/OS/Application/Database Security) | 30+ |
| Web Application Security Assessments | 50+ |
| Third Party Audits | 30+ |
| Business Continuity Planning / Disaster Recovery | 10+ |

6. Technical manpower deployed for information security audits:

CISSPs : 5+
CISAs : 15+
CEH: 4+
BS7799 / ISO27001 Certified: 10+
BS25999/ISO 22301 Certified: 15+
ISO 20000 Certified: 5+
Total Nos. of Technical Personnel: 50+

7. Details of technical manpower deployed for information security audits in Government and Critical sector organizations (attach Annexure if required)

| S. No. | Name of Employee | Duration with PwC | Experience in Information Security | Qualifications related to Information Security |
|--------|-------------------|-------------------|------------------------------------|--|
| 1 | Rahul Aggarwal | 7 Years 6 months | 12 years | CISSP, ISO 27001, BS25999 |
| 2 | Manish Tembhurkar | 5 years 7 months | 9 years | CISA, BS25999, CCSP |
| 3 | Debayan Mitra | 3 years 6 months | 3 years | |
| 4 | Nikhil Mittal | 1 year 9 months | 3 years | OSCP, Security + |
| 5 | Shankar Shrivats | 2 years | 2 years | CEH |

8. Specify Largest Project handled in terms of scope (in terms of volume, complexity, locations etc.) along with project value.

PwC has carried multiple complex and large volume information security projects for various clients in India and abroad. information about two such projects is mentioned below:

- a) Information Security Framework Deployment for one of the largest telecom operators in India

PwC has assisted the client to design and deploy the Information Security Framework covering 300+ locations. PwC ha also assisted the client to perform the external and Internal Vulnerability Assessment and Penetration Testing as well as Web application Security Assessments based on OWASP guidelines.

Project Value: approx. 1 Million USD

- b) Application Security Audits for one of the Top 100 Fortune company:

PwC has defined the process to ensure that all the applications are security cleared, before go-live. PwC has performed security assessments of more than 1000 applications till date.

Project Value: approx. 1 Million USD

9. List of Information Security Audit Tools used (commercial/ freeware/proprietary):

| S.No. | Type of Tool | Tools |
|-------|------------------------|--|
| 1 | Commercial | 1. Webinspect 2. Nessus Professional Feed 3. Maltego 4. Accunetix 5. Burp Professional Suite |
| 2 | Freeware / Open Source | 1. Nmap 2. Metasploit 3. Backtrack 4. Nessus Home Feed |
| 3 | Proprietary | 1. PwC Windows Script 2. PwC Unix Script 3. PwC SQL/Oracle Script 4. PwC Server Script |

10. Outsourcing of Project to External Information Security Auditors / Experts: No
(If yes, kindly provide oversight arrangement (MoU, contract etc.))

*Information as provided by **Pricewaterhouse Coopers Pvt. Ltd.** on **11th Sep 2012**

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**Snapshot of skills and competence of CERT-In empanelled
Information Security Auditing Organisation**

M/s SecurEyes Techno Services Pvt. Ltd

1. Name & location of the empanelled Information Security Auditing Organization :

SecurEyes Techno Services Pvt. Ltd.,
#3S, 3rd Floor, Swamy Towers, Chinapanahalli, Marathahalli,
Outer Ring Road,
Bangalore - 560037

2. Carrying out Information Security Audits since : 2005

3. Capability to audit (category wise):

| | |
|--|-----|
| • Network security audit : | Yes |
| • Web Application Security Audit : | Yes |
| • Wireless Security Audit : | Yes |
| • Thick-Client Application Security Testing : | Yes |
| • Vulnerability Assessment : | Yes |
| • Network Penetration Testing : | Yes |
| • SDLC Review and code security review : | Yes |
| • Compliance audits (ISO 27001, PCI, ISO 20000, COBIT, etc.) : | Yes |
| • Information security policy review, development and assessment against security best practices : | Yes |
| • Process Security Testing : | Yes |
| • Communications Security Testing : | Yes |
| • Physical Access and Environment Security Controls Review : | Yes |
| • Social Engineering Testing : | Yes |
| • Gap Analysis against well known standards : | Yes |
| • Risk Assessment / Management Services : | Yes |

4. Information Security Audits carried out in last 12 Months :

| | |
|-------------------------------------|-----|
| Govt: | 155 |
| PSU: | 2 |
| Private: | 40 |
| Total Nos. of Security Audits done: | 197 |

5. Number of audits in last 12 months (category-wise):

| | |
|---|-----|
| Network security audit: | 10 |
| Web-application security audit: | 184 |
| Wireless security audit: | 1 |
| Compliance audits (ISO 27001, PCI, etc.): | 2 |

6. Technical manpower deployed for information security audits :

| | |
|-------------------------------------|----|
| ISO27001 LAs : | 18 |
| CISAs : | 3 |
| GCIH : | 1 |
| BS15000 : | 1 |
| CCNA : | 1 |
| Total Nos. of Technical Personnel : | 18 |

7. Details of technical manpower deployed for information security audits in Government and Critical sector organizations: **As per Annexure_E**

8. Specify Largest Project handled in terms of scope (in terms of volume, complexity, locations etc.) along with project value.

Project Scope:

Application Security Audits, Vulnerability Assessment, Network Penetration Testing, Malware Monitoring, Security Incident Handling, Preparing security hardening guidelines, Info sec Training & Web Traffic Security Monitoring

Project Complexity:

This is an on-going project with the client having one of the largest IT Infra-setup in India. The project covers multiple applications, systems and networks that are in scope of the security assessment. The project covers multiple locations within India. The project requires auditors to perform all the activities as listed in the Project Scope. We have reviewed over 5000+ applications, production systems and network nodes in the past 5+ years.

Locations: New Delhi and other locations in India

Project Value: Rs. 2,89,52,657.00

9. List of Information Security Audit Tools used (commercial/ freeware/proprietary)

- Commercial Tools
 - Nessus (Commercial Professional Version)
 - Burpsuite
 - Accunetix
- Freeware Tools
 - Google Search
 - SamSpade
 - Tcp traceroute
 - Nmap
 - hping2
 - Protos
 - XProbe
 - P0f
 - Nmap-cronos
 - Httpprint
 - Smtptscan
 - SinFP
 - Cisco Torch
 - Metasploit Framework
 - Nikto
 - Cain & Cable
 - SQL Map
 - And many other open source tools
- Proprietary Tools
 - SEWindowsXP_VA
(Tool for VA of windows XP)
 - SEWindows2003_VA
(Tool for VA of windows 2003)
 - SEWindows2008_VA
(Tool for VA of windows 2008)
 - SEWindows7_VA
(Tool for VA of windows 7)

- SERedHat_VA
(Tool for VA of RedHat Linux)
- SEAIX_VA
(Tool for VA of AIX)
- SESolaris_VA
(Tool for VA of Solaris)
- SEDB_VA
(Tool for VA of MS-SQL, MySQL, Oracle, PostGRE SQL)
- SENW_VA
(Tool used for VA of network devices including switches, routers, Firewalls)
- SeInfo_Grabber
(Tool used for application security reconnaissance)

10. Outsourcing of Project to External Information Security Auditors /Experts: NO

11. *Information as provided by **SecurEyes Techno Services Pvt. Ltd.** on **13th Sep 2012**

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| S. No. | Name of Employee | Duration with organization | Experience in Information Security | Qualifications related to Information Security |
|--------|--------------------|----------------------------|------------------------------------|--|
| 1. | Karmendra Kohli | 7 yrs | 11+ yrs | CISA,ISO 27001 LA, GCIH, CCNA, BS 15000 |
| 2. | Seemanta Patnaik | 7 yrs | 10+ yrs | CISA,ISO 27001 LA |
| 3. | Anant Kochhar | 5.10 yrs | 5.10 yrs | CISA,ISO 27001 LA |
| 4. | Sabyasachi Samanta | 4.9 yrs | 4.9 yrs | ISO 27001 LA |
| 5. | Sudip N Das | 4 yrs | 4 yrs | ISO 27001 LA |
| 6. | Prashanth Joshi | 3.9 yrs | 3.9 yrs | ISO 27001 LA |
| 7. | Uma Pendyala | 3.5 yrs | 3.5 yrs | ISO 27001 LA |
| 8. | Ansuman Samantaray | 2.9 yrs | 2.9 yrs | ISO 27001 LA |
| 9. | Sarah Deori | 2.5 yrs | 2.5 yrs | ISO 27001 LA |
| 10. | Vandan Joshi | 2.4 yrs | 2.4 yrs | ISO 27001 LA |
| 11. | Utkarsh Bhat | 1.8 yrs | 1.8 yrs | ISO 27001 LA |
| 12. | Karthik B | 1.3 yrs | 1.3 yrs | ISO 27001 LA |
| 13. | A R Mani Kumar | 1.3 yrs | 1.3 yrs | ISO 27001 LA |
| 14. | M B V Sudheer | 1.3 yrs | 1.3 yrs | ISO 27001 LA |
| 15. | Karthik B S | 1.3 yrs | 1.3 yrs | ISO 27001 LA |
| 16. | Anubhav Chitrey | 3 months | 3 months | ISO 27001 LA |
| 17. | Rohit Shrivastava | 3 months | 3 months | ISO 27001 LA |
| 18. | Sunil Kumar Verma | 3 months | 3 months | ISO 27001 LA |

**Snapshot of skills and competence of CERT-In empanelled
Information Security Auditing Organisation**

M/s STQC Directorate

1. Name & location of the empanelled Information Security Auditing Organization :

STQC Directorate,
6 CGO Complex and STQC IT Centers at Delhi, Kolkata, Mohali, Pune, Bangalore, Hyderabad,
Trivandrum, Chennai.

2. Carrying out Information Security Audits since : <2003>

3. Capability to audit , category wise (add more if required)

| | | |
|--|---|-----|
| • Network security audit | : | Yes |
| • Web-application security audit | : | Yes |
| • Wireless security audit | : | No |
| • Compliance audits (ISO 27001, PCI, etc.) | : | Yes |

4. Information Security Audits carried out in last 12 Months :

| | | |
|--|---|-----|
| Govt. | : | 57 |
| PSU | : | 36 |
| Private | : | 27 |
| Total Nos. of Information Security Audits done | : | 119 |

5. Number of audits in last 12 months , category-wise **(Organization can add categories based on project handled by them)**

| | | |
|--|---|-----|
| Network security audit | : | 16 |
| Web-application security audit | : | 90 |
| Wireless security audit | : | Nil |
| Compliance audits (ISO 27001, PCI, etc.) | : | 12 |

6. Technical manpower deployed for information security audits :

| | | |
|--|---|-----|
| CISSPs | : | NIL |
| BS7799 / ISO27001 LAs | : | 17 |
| CISAs | : | NIL |
| DISAs / ISAs | : | NIL |
| Any other information security qualification: | | |
| CEH | : | 10 |
| Certified Professional for Secure software engineering | : | 6 |

7. Total Nos. of Technical Personnel : 27

8. Details of technical manpower deployed for information security audits in Government and Critical sector organizations (attach Annexure if required)

| S. No. | Name of Employee | Duration with <organization> | Experience in Information Security | Qualifications related to Information security |
|--------|-------------------|---|--|--|
| 1 | Mr. Sanjeev Kumar | 1993 | Center Security, Appl. Security | 2 |
| 2 | Mr. Manoj Saxena | 1985 | Secure software development, ISMS LA, Master Trainer | 2 |
| 3 | B.K. Mondal | Jan-90 | ISMS LA, CEH | 13 |
| 4 | Aloke Sain | Nov-91 | ISMS LA, CEH | 11 |
| 5 | Subhendu Das | Jun-89 | ISMS LA, CEH | 13 |
| 6 | Chittaranjan Das | Nov-86 | ISMS LA, CEH | 5 |

| | | | | |
|----|---------------------|---------------|---|----|
| 7 | Tapas Bandyopadhyay | May-91 | ISMS LA, CEH | 9 |
| 8 | Malabika Ghose | Jul-89 | CEH | 9 |
| 9 | Manikanta Das | Mar-84 | ISMS LA, CEH | 9 |
| 10 | Arpita Datta | Jun-95 | CEH, Master Trainer (ISEA Project) | 9 |
| 11 | Debasis Jana | Sep-82 | ISMS LA, CEH | 13 |
| 12 | Sanjay K. Prusty | Dec-95 | CPSSE (Certified Professional for Secure Software Engineering) | 9 |
| 13 | Arup Datta | Apr-98 | CNSM | 3 |
| 14 | Subrata Giri | Jan-13 | CNSM | 1 |
| 15 | Himadri Roy | Feb,1989 | ISMS LA | 5 |
| 16 | E.Kamalakar Rao | Oct-89 | ISMS LA | 7 |
| 17 | S.P.Tharesh Kumar | Mar-00 | CNSM | 4 |
| 18 | V P Yadav | January, 1984 | -- | 4 |
| 19 | S.Velmourougan | 1990 | ISMS -LA, STQC-CISP, CEH | |
| 20 | TV Subramanyam | Feb-87 | ISMS LA, Wireless LAN Security, Secure Software Engineering | 3 |
| 21 | MV Padmanabhaiya | Sep-86 | ISMS LA, STQC CISP, STQC CIISA | 7 |
| 22 | Sushil Kumar Nehra | Jun-93 | ISMS LA, Master Trainer (ISEA Project), Secure Software Engineering, | 13 |
| 23 | Kamini Malik | May-86 | ISMS LA | 13 |
| 24 | A K Sharma | Oct-89 | ISMS LA, ITSM LA, ITIL Process Manager | 13 |
| 25 | Arvind Kumar | Sep-86 | ISMS LA | 13 |
| 26 | Rakesh Maheshwari | Aug-87 | ISMS LA, ITSM LA, ITIL Process Manager, Master Trainer (ISEA Project) | 13 |
| 27 | Dhawal Gupta | May-08 | App Sec Training, Network Security, CC, ISEB Intermediate, CNSM | 5 |

9. Specify Largest Project handled in terms of scope (in terms of volume, complexity, locations etc.) along with project value. **28 number of Important Government website hosted at various locations.**

10. List of Information Security Audit Tools used (commercial/ freeware/proprietary) : **Appscan, Nessus, SAINT exploit, Acunetix wvs, Metasploit,Paros, Burp, Webscraber, Proprietary scripts, SSL Digger, whois, nmap etc**

11. Outsourcing of Project to External Information Security Auditors / Experts : No

(If yes, kindly provide oversight arrangement (MoU, contract etc.))

*Information as provided by **STQC Directorate as on 07 January 2014**

**Snapshot of skills and competence of CERT-In empanelled
Information Security Auditing Organisation**

M/s SUMERU SOFTWARE SOLUTIONS PVT LTD

1. Name & location of the empanelled Information Security Auditing Organization :

SUMERU SOFTWARE SOLUTIONS PVT LTD Address
#20, 1ST FLOOR, 11TH MAIN
39 A CROSS, JAYANAGAR 4T BLOCK BANGALORE
KARNATAKA PIN - 560041
Telephone (with STD code) - 08022440204

2. Carrying out Information Security Audits since : 2009

3. Capability to audit , category wise (add more if required)

- Network security audit (Y/N) : Yes
- Web-application security audit (Y/N) : Yes
- Wireless security audit (Y/N) : Yes
- Compliance audits (ISO 27001, PCI, etc.) (Y/N) : Yes

4. Information Security Audits carried out in last 12 Months :

Govt. : 5
PSU : 2
Private : 106
Total Nos. of Information Security Audits done : 113

5. Number of audits in last 12 months , category-wise (**Organization can add categories based on project handled by them**)

Network security audit : 2
Web-application security audit : 10
Wireless security audit : NIL
Compliance audits (ISO 27001, PCI, etc.) : 30

6. Technical manpower deployed for information security audits :

CISSPs : NIL
BS7799 / ISO27001 LAs : 5
CISAs : 1
DISAs / ISAs : NIL
Any other information security qualification : NIL
Total Nos. of Technical Personnel : 5

7. Details of technical manpower deployed for information security audits in Government and Critical sector organizations (attach Annexure if required)

Information security assessment group.

| S. No. | Name of Employee | Duration with Sumeru | Experience in Information Security | Qualifications related to Information security |
|--------|------------------|-----------------------------|------------------------------------|--|
| 1 | Dinesh Kumar P | 1year 2months | 1year 2months | SANS Training – GPEN |
| 2 | Sowmya Sharma | 5+ years | 2 years 6 months | <ul style="list-style-type: none"> • CEH • ASPT • OSCP trained |
| 3 | Krishna kumar S | 6+ years | 6 + years | <ul style="list-style-type: none"> • GWAPT - GIAC Web Application Penetration Tester • GWEB - GIAC Certified Web Application Defender • GREM – GIAC Reverse |

| | | | | |
|---|----------------|-----------|-----------|--|
| | | | | <ul style="list-style-type: none"> Engineering Malware • GPEN - GIAC Penetration Tester • eCPPT - ELearnSecurity Certified Professional Penetration Tester |
| 4 | Rohit Mual | 5 + years | 5 + years | <ul style="list-style-type: none"> • OSCP,SWSE, Trained RHCE and IP Packet Analyst. • <u>WAPT</u> (pursuing) |
| 5 | Shashank Dixit | 5 + Years | 5 + Years | <ul style="list-style-type: none"> • Offensive Security Certified Professional(OSCP) • SANS STAR IP Packet Analyst • SANS STAR Comprehensive Packet Analyst • RHCE trained • Penetration Testing with Backtrack (PWB V3) Trained. |
| 6 | Abhishek Basu | 3 Years | 3 Years | <ul style="list-style-type: none"> ▪ AFCEH – Ankit Fadia Certified Ethical Hacker ▪ OSCP - Offensive Security Certified Professional trained ▪ CEH – Certified Ethical Hacking trained. ▪ CCNA - Cisco Certified Network Associate trained ▪ OWASP member |

Information security consulting group.

| S. No. | Name of Employee | Duration with Sumeru | Experience in Information Security & Consulting | Qualifications related to Information security |
|--------|---------------------|-----------------------------|---|---|
| 1 | Santosh Kumar. A | 2 years 8 Months | 3 years 8 Months | <ul style="list-style-type: none"> • ISO 27001:2005 Lead Auditor • BS25999 Lead Auditor • CCNA |
| 2 | Kiranjit Manna | 4+ years | 4 Years | <ul style="list-style-type: none"> • ISO 27001:2005 Lead Auditor |
| 3 | Sanjay Bhattacharya | 1 Year 4 Months | 7 Years | <ul style="list-style-type: none"> • ISO 27001:2005 Lead Auditor |
| 4 | Rajesh Muthu | 6 years | 3 Years | <ul style="list-style-type: none"> • ISO 27001:2005 Lead Auditor |
| 5 | Sandeep Erat | 13 years | 10+ Years | <ul style="list-style-type: none"> • ISO 20000 & 27001 Lead Auditor • BS 25999 Implementation |

| | | | | |
|--|--|--|--|---|
| | | | | certified • CCNA - Cisco Certified Network Associate • MCSA - Microsoft Certified System Associate • CISA • CRISC |
|--|--|--|--|---|

8. Specify Largest Project handled in terms of scope (in terms of volume, complexity, locations etc.) along with project value.

Hospitality project

Scope: **Internal Network vulnerability assessment and penetration testing**

External Penetration testing

Web application security assessment Wireless security audit

Volume: **28 man months**

Complexity: **High**

Locations: **Australia, USA, London, China, Singapore, Malaysia, Indonesia, India, South America, Middle East, Canada, France, Japan, Maldives, Burma, Philippines, Taiwan, Bangkok.**

9. List of Information Security Audit Tools used (commercial/ freeware/proprietary):

Freeware : Nmap, Nessus professional, metasploit, armitage, paros, Ironwasp, Nexpose, wireshark, Netsparker, Cain & Abel v4.9.43, nikto, skipfish, maltego, wikto, N-Stalker Web Application Security Scanner 7.1 (Free Edition), , TOR Browser, john-the-ripper

Operating system : Kali linux, Backtrack

Licensed : Burpsuite, Elcomsoft Blackberry Backup Explorer, Nessus

Operating system : Windows 7 / XP / 2000

10. Outsourcing of Project to External Information Security Auditors / Experts : Yes/No NO
 (If yes, kindly provide oversight arrangement (MoU, contract etc.))

*Information as provided by < **SUMERU SOFTWARE SOLUTIONS PVT LTD** > on < **8th November 2013**>

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**Snapshot of skills and competence of CERT-In empanelled
Information Security Auditing Organisation**

M/s. Sysman Computers Private Limited

1. Name & location of the empanelled Information Security Auditing Organization :

Sysman Computers Private Limited
312, Sundram, Rani Laxmi Chowk, Sion, Mumbai 400022

2. Carrying out Information Security Audits since : 1991

3. Capability to audit, category wise (add more if required)

| | | |
|--|---|-----|
| • Network security audit (Y/N) | : | YES |
| • Web-application security audit (Y/N) | : | YES |
| • Wireless security audit (Y/N) | : | YES |
| • Compliance audits (ISO 27001, PCI, etc.) (Y/N) | : | YES |
| • Main business application audit | : | YES |
| • Cyber Forensics | : | YES |
| • IT GRC Consulting | : | YES |

4. Information Security Audits carried out in last 12 Months :

| | | |
|--|---|---------------------|
| Govt. | : | 24 |
| PSU | : | 09 |
| Private | : | 15 |
| | | (over 150 branches) |
| Total Nos. of Information Security Audits done | : | 48 organisations |

5. Number of audits in last 12 months , category-wise

(Organization can add categories based on project handled by them)

| | | |
|--|---|----|
| Network security audit | : | 20 |
| Web-application security audit | : | 55 |
| Wireless security audit | : | 2 |
| Compliance audits (ISO 27001, PCI, etc.) | : | 4 |
| Cyber Forensics | : | 24 |
| IT GRC Consulting | : | 6 |

6. Technical manpower deployed for information security audits :

| | | |
|--|---|----|
| CISSPs | : | 01 |
| BS7799 / ISO27001 LAs | : | 05 |
| CISAs | : | 04 |
| DISAs / ISAs | : | 01 |
| Any other information security qualification | : | 04 |
| Total Nos. of Technical Personnel | : | 08 |

7. Details of technical manpower deployed for information security audits in Government and Critical sector organizations (attach Annexure if required)

| S. No. | Name of Employee | Duration with Sysman | Experience in Information Security | Qualifications related to Information security |
|--------|--------------------|-----------------------------|------------------------------------|--|
| 1 | Dr. Rakesh M Goyal | Feb 1985 | 23 years | PhD, CISA, CISM, CCNA |
| 2 | Vaibhav Banjan | May 2007 | 11 years | CISA, DISA |
| 3 | Anand Tanksali | April 2010 | 8 years | CCNA, CCSA |
| 4 | Winod P Karve | Sep 1999 | 15 years | CISA, ISO27001 LA |
| 5 | Hari Chandramauli | Feb 2009 | 14 years | CISA, ISO27001 LA |
| 6 | Mohammad Khalid | March 2011 | 4 years | CCNA, ISO27001 LA |
| 7 | Pallavi Goyal | April 2010 | 3 years | ISO27001 LA, CCNA, CEH |
| 8 | Ankur Goyal | March 2012 | 3 years | ISO27001 LA |

8. Specify Largest Project handled in terms of scope (in terms of volume, complexity, locations etc.) along with project value.

- 1) IT Infrastructure with 150 servers, 2500+ nodes, 120 switches, 30 routers spread over 50 locations all over India alongwith matching DR site.**
- 2) Application audit with 26 modules used by 1200 people**
- 3) e-governance Web-application with 18 modules exposed to world**

9. List of Information Security Audit Tools used (commercial/ freeware/proprietary):

Mostly used - Nmap, Superscan, Nessus, Metasploit, SecurityForest, kproccheck, sqlmap, MBSA, Belarc, w3af, GFI, Aircrack, Nikto, Kismet, NetStumbler, WebSecurify, Burp Suite, Temper data, Nstacker, ZAP, Secure Auditor. (others depending upon requirement). Finally Manual exploitation.

10. Outsourcing of Project to External Information Security Auditors / Experts : Yes/No
(If yes, kindly provide oversight arrangement (MoU, contract etc.)) –

No. No outsourcing of assignment. But engagement of external known experts alongwith Sysman team is done, based on special skills required for the assignment.

For this, we have (a) Confidentiality and Non Disclosure Agreement; (b) adherence to IT Security and other Policies and (c) clear cut scope of work, with clear knowledge of client.

*Information as provided by **Sysman Computers Private Limited** on **11 November 2013**

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**Snapshot of skills and competence of CERT-In empanelled
Information Security Auditing Organisation**

M/s Secfence Technologies

1. Name & location of the empanelled Information Security Auditing Organization :

**Secfence Technologies
(A Unit of Innobuzz Knowledge Solutions Pvt. Ltd.),
365, Kohat Enclave, Pitampura, New Delhi - 110034**

2. Carrying out Information Security Audits since : 2010

3. Capability to audit , category wise

- Network security audit
- Web-application security audit
- Wireless security audit
- Compliance audits (ISO 27001, PCI, etc.)
- Client Side Exploit Testing / Social Engineering Testing

4. Information Security Audits carried out in last 12 Months :

| | | |
|--|---|----|
| Govt. | : | 0 |
| PSU | : | 0 |
| Private | : | 10 |
| Total Nos. of Information Security Audits done | : | 26 |

5. Number of audits in last 12 months , category-wise (*Organization can add categories based on project handled by them*)

| | | |
|--|---|---|
| Network security audit | : | 2 |
| Web-application security audit | : | 7 |
| Wireless security audit | : | 1 |
| Compliance audits (ISO 27001, PCI, etc.) | : | 0 |

6. Technical manpower deployed for information security audits :

| | | |
|---|---|----|
| CISSPs | : | 0 |
| BS7799 / ISO27001 LAs | : | 1 |
| CISAs | : | 0 |
| DISAs / ISAs | : | 0 |
| Any other information security qualification: CISE, CEH, RHCSS(LDAP), ECSCA | | |
| Total Nos. of Technical Personnel | : | 28 |

7. Details of technical manpower deployed for information security audits in Government and Critical sector organizations (attach Annexure if required)

| S. No. | Name of Employee | Duration with Secfence | Experience in Information Security | Qualifications related to Information security |
|--------|------------------|------------------------|------------------------------------|---|
| 1 | Atul | 6 Years | 7 Years | CISE |
| 2 | Ankit | 6 Years | 7 Years | CISE |
| 3 | Dhiraj | 2.5 Years | 3 Years | CISE |
| 4 | Abhay | 1 Years | 2 Years | CISE |
| 5 | Prashant | 2 Years | 2 Years | CISE |
| 6 | Rakesh | 3 months | 1 year | CISE |
| 7 | Chandan | 9 months | 9 months | CISE |
| 8 | Devender | 13 Months | 3 years | CISE |
| 9 | Naveen | 2.5years | 2.5 years | CISE |
| 10 | Miftah | 3 months | 11 months | PG Diploma in IT Security from CDAC NOIDA, CISE |
| 11 | Gaurav | 6 Months | 1Year | CEH, CISE |
| 12 | Poonam | 1 Month | 1year | CEH v7, CISE |
| 13 | Rajat | 2 months | 2 years | RHCE,RHCSS(LDAP)CEH,ECSCA,CISE |

| | | | | |
|----|---------|----------|--------|--------------|
| 14 | Bhaskar | 9 Months | 1 year | CEH;ISO27001 |
|----|---------|----------|--------|--------------|

8. Specify Largest Project handled in terms of scope (in terms of volume, complexity, locations etc.) along with project value.

Project: Network & WebApp VA/PT for a Leading Telecom provider in South Africa & TZ

Location: Two

Scope: 400+ workstations, 5 Servers (Web+DB), 4 public facing websites (mobile & internet), 2 Internal Web Portals

Project Value: Approx. USD 23,000

9. List of Information Security Audit Tools used (commercial/ freeware/proprietary):

Proprietary

Secfence Intruder, NetworkTestingKit (PortScanner, DNSLookup etc.)

3rd Party (Commercial)

Metasploit Pro, IBM AppScan, Acunetix, Core Impact, eEye Retina Network Scanner, IDA Pro, Hex-Rays, CWSandbox, Nessus etc.

OpenSource/Freeware

BackTrack, Metasploit Framework etc.

10. Outsourcing of Project to External Information Security Auditors / Experts : No
(If yes, kindly provide oversight arrangement (MoU, contract etc.))

*Information as provided by **Secfence (Innobuzz)** on May 28th 2013.

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**Snapshot of skills and competence of CERT-In empanelled
Information Security Auditing Organisation**

M/s Security Brigade

1. Name & location of the empanelled Information Security Auditing Organization :
Security Brigade

2. Carrying out Information Security Audits since : 2006

3. Capability to audit , category wise (add more if required)

| | | |
|--|---|-----|
| • Network security audit | : | Yes |
| • Web-application security audit | : | Yes |
| • Wireless security audit | : | Yes |
| • Compliance audits (ISO 27001, PCI, etc.) | : | Yes |
| • Mobile application security audit | : | Yes |
| • SCADA security audit | : | Yes |
| • Telecom security audit | : | Yes |

4. Information Security Audits carried out in last 12 Months :

| | | |
|--|---|------|
| Govt. | : | 50+ |
| PSU | : | 2+ |
| Private | : | 200+ |
| Total Nos. of Information Security Audits done | : | 252+ |

5. Number of audits in last 12 months , category-wise

| | | |
|--|---|------|
| Network security audit | : | 150+ |
| Web-application security audit | : | 200+ |
| Wireless security audit | : | 50+ |
| Compliance audits (ISO 27001, PCI, etc.) | : | 5+ |
| Mobile application security audit | : | 50+ |
| SCADA security audit | : | 2+ |
| Telecom security audit | : | 2+ |

Technical manpower deployed for information security audits :

| | | |
|--|---|-----|
| CISSPs | : | 2+ |
| BS7799 / ISO27001 LAs | : | 2+ |
| CISAs | : | 2+ |
| DISAs / ISAs | : | - |
| Any other information security qualification | : | 11+ |
| Total Nos. of Technical Personnel | : | 15+ |

6. Details of technical manpower deployed for information security audits in Government and Critical sector organizations (attach Annexure if required)

| S. No. | Name of Employee | Duration with SB | Experience in Information Security | Qualifications related to Information security |
|--------|------------------|------------------|------------------------------------|--|
| 1. | YK | 7 | 12 | ECCPT |
| 2. | AB | 4 | 3 | ECCPT, CISE |
| 3. | YS | 5 | 7 | ECCPT, ISMS LA, CEH, CISSP |
| 4. | SZ | 5 | 7 | ECCPT, ISMS LA |
| 5. | CJ | 3 | 2 | ECCPT |
| 6. | JD | 1 | 3 | ECCPT, CISC, CPFA, CPH |

7. Specify Largest Project handled in terms of scope (in terms of volume, complexity, locations etc.) along with project value.

| S. No. | Customer Industry | Location | Type of Audit | Project Value |
|--------|-------------------|--------------|--|---|
| 1. | Insurance | Pune, Mumbai | Application and Network Security Audit | Confidential will provide up on request |
| 2. | Telecom | Pan-India | Application, Mobile and Network Security Audit | Confidential will provide up on request |
| 3. | E-Commerce | Gurgaon | Application, Mobile and Network Security Audit | Confidential will provide up on request |
| 4. | Retail | Mumbai | Application, Mobile and Network Security Audit | Confidential will provide up on request |
| 5. | Hospitality | Pan-India | Application and Network Security Audit | Confidential will provide up on request |
| 6. | Networking | Mumbai | Application and Network Security Audit | Confidential will provide up on request |

8. List of Information Security Audit Tools used (commercial/ freeware/proprietary):

Information Gathering

- Bile-Suite
- Cisco torch
- SpiderFoot
- W3af
- Maltego
- SEAT
- In-House sdFinder
- ... and 50 other tools

Port Scanning

- Nmap
- In-House networkMapper
- Amap
- Foundstone
- hPing
- ... and 30 other tools

Application Security Assessment

- In-House webSpider
- In-House webDiscovery
- In-House webTester
- Achilles
- Sandcat
- Pixy
- W3af
- Nikto
- Paros
- ... and 100 other tools

Threat Profiling & Risk Identification

- In-House Risk Assessment
- ... and 5 other tools

Network & System Vulnerability Assessment

- Metasploit
- Nessus
- SAINT
- Inguma
- SARA
- Nipper
- GFI
- Safety-Lab
- Firecat

- Owasp CLASP
- Themis
- In-house VAFramework
- ... and 30 other tools

Exploitation

- Saint
- SQL Ninja
- SQL Map
- Inguma
- Metasploit
- ... and 100 other tools

Social Engineering

- Social-Engineering Toolkit (SET)
- Firecat
- People Search
- ... and 10 other tools

Privilege Escalation

- Cain & Abel
- OphCrack
- Fgdup
- Nipper
- Medusa
- Lynix
- Hydra
- ... and 40 others

Commercial Tools

- Nessus Commercial
- GFI Languard
- Rapid7 Nexpose
- Burp Suite
- Netsparker

9. Outsourcing of Project to External Information Security Auditors / Experts : NO

*Information as provided by **Security Brigade** on 20th May 2013

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**Snapshot of skills and competence of CERT-In empanelled
Information Security Auditing Organisation**

M/s SISA Information Security Pvt Ltd

1. Name & location of the empanelled Information Security Auditing Organization :

SISA Information Security Pvt Ltd
SISA House, #3029, SISA House, 13th Main Road,
HAL 2nd Stage, Indiranagar, Bangalore - 560 008. India

2. Carrying out Information Security Audits since : 2001

3. Capability to audit , category wise (add more if required)

- Network security audit (Y/N) Yes
- Web-application security audit (Y/N) Yes
- Wireless security audit (Y/N) Yes
- Compliance audits (ISO 27001, PCI, etc.) (Y/N) Yes
- RBI PSS Audits Yes
- Forensic Investigation Yes
- Mobile Application security audit Yes
- Information Security Awareness and Trainings Yes

4. Information Security Audits carried out in last 12 Months :

Govt. : <1>
PSU : <7>
Private : <140+>
Total Nos.nof Information Security Audits done : 148+

5. Number of audits in last 12 months , category-wise (*Organization can add categories based on project handled by them*)

Network security audit : <62+>
Web-application security audit : <32+>
Wireless security audit : <2+ >
Compliance audits (ISO 27001, PCI, etc.) : <148+>
Forensic Audit : < 2+>

6. Technical manpower deployed for information security audits :

CISSPs : <8>
BS7799 / ISO27001 LAs : <8>
CISAs : <6>
DISAs / ISAs : <2>
Any other information security qualification : <20>
Total Nos. of Technical Personnel : 45

7. Details of technical manpower deployed for information security audits in Government and Critical sector organizations (attach Annexure if required)

| S. No. | Name of Employee | Duration with <SISA> | Experience in Information Security | Qualifications related to Information security |
|--------|----------------------|----------------------|------------------------------------|--|
| 1 | Renju Varghese Jolly | October 2006 | 6 Years 8 months | CISA, CISSP, GCFA, PCI QSA, PA QSA |
| 2 | Swati Sharma | June 2010 | 2 years 11 Months | CISM, CISSP, PCI QSA, |
| 3 | Rosan Thomas | October 2011 | 4 years 2 months | CISA, CISSP |
| 4 | Raghav | October 2011 | 6 years 10 | CISSP, PCI QSA |

| | | | | |
|--|--------|--|--------|--|
| | Maakam | | Months | |
|--|--------|--|--------|--|

8. Specify Largest Project handled in terms of scope (in terms of volume, complexity, locations etc.) along with project value.

| | |
|---------------------------|---------------|
| No. of Computer Systems : | Approx – 3600 |
| No. of servers : | 600 – 620 |
| No. of switches : | 75 – 80 |
| No. of routers : | 280 – 300 |
| No. of firewalls : | 21 |
| No. of IDS' : | 18 |

9. List of Information Security Audit Tools used (commercial/ freeware/proprietary):
Refer to Annexure 1

10. Outsourcing of Project to External Information Security Auditors / Experts : No
(If yes, kindly provide oversight arrangement (MoU, contract etc.))

* Information as provided by **SISA Information Security Pvt Ltd** on 23/05/2013

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List of Tools SISA presents the most commonly used commercial and open source tools in a SISA Security Audit

| Tool | License | Used |
|----------------------------|----------------|----------------------------------|
| Nessus 5 Professional feed | Commercial | Vulnerability Assessment |
| IBM AppScan | Commercial | Web Application Pen Test |
| Burp Suite Professional | Commercial | Web Application Pen Test |
| Accuentry | Commercial | Web Application Pen Test |
| Rapid 7 Metasploit Express | Commercial | N/W and Application Pen Test |
| Rapid 7 – NeXpose Express | Commercial | Network/ Application VA |
| GFI Lan Guard | Commercial | Network Vulnerability Scan |
| Retina | Commercial | Network Vulnerability Scan |
| NMAP | Open Source | Port Scanner |
| W3af | Open Source | Web Application Scanner |
| Wikto | Open Source | Web Application Scanner |
| Solarwind | Open Source | Network Pen Test |
| Back Track Tool Kit | Open Source | Network and Application Pen Test |
| Samurai Testing Tool Kit | Commercial | Web Application Pen Test |
| Encase | Commercial | Computer Forensics |
| Wireshark | Open Source | Network Sniffer |
| Netstumbler | Open Source | Wireless Scanning |
| Aircrack | Open Source | Wireless Pen Test |
| Airmagnet | Open Source | Wireless Pen Test |
| Paros | Open Source | Web Application Proxy |
| Nipper | Open Source | Network Configuration File |
| Qualys Guard | Commercial | Network and Application VA |
| SoapUI | Commercial | Web Services |
| Nikto | Open Source | Network Pen Test |
| Netcat | Open Source | Network Pen Test |
| Cain&Abel | Open Source | ARP Poisoning, DNS Poisoning |
| THC- Hydra | Open Source | Brute Force |
| Brutus | Open Source | Brute Force |
| John the Ripper | Open Source | Password Cracker |
| L0pht Cracker | Open Source | Password Cracker |
| Rainbow Crack, | Open Source | Password Cracker |

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**Snapshot of skills and competence of CERT-In empanelled
Information Security Auditing Organisation**

M/s Suma Soft Pvt Ltd

1. Name & location of the empanelled Information Security Auditing Organization:

Suma Soft Pvt. Ltd.
"Suma Center", 2nd Floor,
Opp. Himali Society, Erandawane,
Pune, Maharashtra – 411 004.
Tel: +91- 20 - 40130700, +91- 20 - 40130400
Fax: +91- 20 - 25438108

2. Carrying out Information Security Audits since : 2008

3. Capability to audit , category wise (add more if required)

- Network Security Audit : Yes
- Web Application Security Audit : Yes
- Web Application Penetration Testing : Yes
- Network Penetration Testing : Yes
- Wireless Security Audit : Yes
- Compliance Audits (ISO 27001, PCI, BCMS, SOX etc.) : Yes
- Compliance - IT Audits : Yes
- (based on guidelines issued by RBI, IRDA, SEBI, Stock Exchanges) : Yes
- Digital Forensic Investigations : Yes

4. Information Security Audits carried out in last 12 Months :

| | | |
|--|---|---|
| Govt. | : | 1 |
| PSU | : | 2 |
| Private | : | 6 |
| Total Nos. of Information Security Audits done | : | 9 |

5. Number of audits in last 12 months , category-wise (**Organization can add categories based on project handled by them**)

| | | |
|--|---|-----|
| Network Security Audit | : | 4 |
| Web-application security audit | : | 5 |
| Wireless security audit | : | - 1 |
| Compliance consultation & audits (ISO 27001, PCI, HIPAA) | : | 2 |

6. Technical manpower deployed for information security audits :

| | | |
|---|---|----|
| CISSPs | : | - |
| BS7799 / ISO27001 LAs | : | 2 |
| CISAs | : | 4 |
| DISAs / ISAs | : | 1 |
| CEH / ECSA / CHFI | : | 2 |
| Any other information security qualification: | | |
| CCSE, CCI,ACE, ITIL, RHCE, CCNA, MCP, OCP, ISO 27001 Lead Auditor | : | |
| Total Nos. of Technical Personnel | : | 15 |

7. Details of technical manpower deployed for information security audits in Government and Critical sector organizations (attach Annexure if required)

| S. No. | Name of Employee | Duration with Suma Soft | Experience in Information Security | Qualifications related to Information security |
|--------|----------------------|-------------------------|------------------------------------|--|
| 1 | Surendra Brahme | 13 | 11 | FCA,CISA,DISA |
| 2 | C Manivannan | 13 | 11 | CISA |
| 3 | Milind Dharmadhikari | 1.3 | 9 | CISA, ACE, CCNA,CSQP |
| 4 | Anil Waychal | 12 | 8 | CISA,ISO27001LA,ITIL,RHCE,Sun Solaris |
| 5 | Rohit Sadgune | 1.8 | 4 | CEH,CHFI,CCI,RHCE |
| 6 | Sumit Ingole | .1 | 1.2 | CEH, ECSA, IBM Certified Specialist - Rational AppScan |
| 7 | Ravi Kariya | .1 | 2.9 | CCSE |
| 8 | Mrunal Dabir | 10 | 6 | ISO27001 LA |
| 9 | Kalidas Yenpure | 2 | 1 | RHCE,MCP |
| 10 | Balaji Mortale | 2 | 1 | CCNA,CDAC Information Security |
| 11 | Narendra Bhati | .1 | 1 | CCSE |

8. Specify Largest Project handled in terms of scope (in terms of volume, complexity, locations etc.) along with project value.

Client: Export Credit Guarantee Corporation (ECGC) of India

Type of Audit: IS Audit

Scope of Work: The scope of our audit included review of following areas –

- IT Policy and its implementation
- Application Management – Development & Maintenance, Logical Security and System Controls
- IT Infrastructure Management
- Database Review
- Backup and recovery practices
- Network Review
- IT Asset Management
- Physical Security & Environmental Controls

IT Environment: 36 Servers, 2 Firewalls, 4 routers, 150 ISDN modems, Application portal with more than 10 modules

Contract value – Cannot disclose due to confidentiality

Client: GIC of India (GIC Re)

Type of Audit: IT Security Audit & IPv6 Compliance Audit

Scope of Work: The scope of our audit included review of following areas –

- Review of existing IT Policies and Procedures
- DC Infrastructure & Network, Software License compliance
- DR Site Visit
- Applications
- LAN Infrastructure (GIC HO)
- Security Infrastructure
- Security Incidences
- Risk Assessment
- Vulnerability Assessment / Penetration Test and Desktop Security Scanning
- Formulation of BRP/DRP framework
- Preparation of Statement of Applicability
- Formulation of IT Security Policy
- Training & Awareness
- IP v6 Compliance Audit

IT Environment: 40+ Servers, 6 Firewalls, 3 routers, 16 Edge Switches, 10 Distribution Switches, 2 Core Switches, 2 SAN Switches, 4 Business Applications, 500+ Desktops, 100 Laptops

Contract value – Cannot disclose due to confidentiality

9. List of Information Security Audit Tools used (commercial/ freeware/proprietary):

Commercial

- IBM AppScan
- HP WebInspect
- Burp Suite Pro
- Nessus
- Acunetix

Freeware

- Webscarab
- Burp Suit
- Paros proxy
- Backtrack 5 Distro tools
- WebSecurify
- Android/Iphone simulators
- Metasploit
- Sqlmap
- Nikto

10. Outsourcing of Project to External Information Security Auditors / Experts : Yes/No

No. We do not outsource our engagements to external consultants. However, we engage known external consultants / experts in the field of information Security to work alongside our team based on specific skills required for the engagement. Project Management and delivery of the engagement is done by Suma Soft.

For this purpose, we use Confidentiality and Non-Disclosure Agreements before engaging the consultants for assignments with defined scope of work and with clear knowledge of the client. Also the consultants need to adhere to IT Security and other Policies of Suma Soft and also of the client during the course of the engagement.

*Information as provided by Suma Soft Pvt. Ltd. on 20 March 2014

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**Snapshot of skills and competence of CERT-In empanelled
Information Security Auditing Organisation**

M/s Tata Consultancy Services Ltd

1. Name & location of the empanelled Information Security Auditing Organization :

Tata Consultancy Services Ltd, Mumbai

2. Carrying out Information Security Audits since : <1997>

3. Capability to audit , category wise (add more if required)

- Network security audit (Y/N) : Yes
- Web-application security audit (Y/N) : Yes
- Wireless security audit (Y/N) : Yes
- Compliance audits (ISO 27001, PCI, etc.) (Y/N) : Yes

4. Information Security Audits carried out in last 12 Months :

- Govt. : <5>
PSU : <27>
Private : <15>
Total Nos. of Information Security Audits done : <47>

*Note: In Private sector, we are engaged with customers on a on-going basis to perform audits/web application security assessments/network security assessments etc. The count above represents the #of such customer engagements. If we count the individual audits/assessments, then it will be a significantly large number over 200+ audits.

5. Number of audits in last 12 months , category-wise (**Organization can add categories based on project handled by them**)

- Network security audit : <12>
Web-application security audit : <15>
Wireless security audit : <4>
Compliance audits (ISO 27001, PCI, etc.) : <19>

***Similar to comment in question 4 (count is individual customer engagements, and not the actual number of audits/assessments within that)**

6. Technical manpower deployed for information security audits :

- CISSPs : <15>
BS7799 / ISO27001 LAs : <25>
CISAs : <19>
DISAs / ISAs : <1>
Any other information security qualification : <CRISC-6, CEH-24>
Total Nos. of Technical Personnel : 90

7. Details of technical manpower deployed for information security audits in Government and Critical sector organizations (attach Annexure if required)

| S. No. | Name of Employee | Duration with <organization> as on Sep'12 | Experience in Information Security | Qualifications related to Information security |
|--------|----------------------|--|------------------------------------|--|
| 1 | Parmendra Sharma | 2.4 years | 5+ years | CEH |
| 2 | Gagan Bhatia | 5.11 years | 5+ years | CEH, ECSA, ISO 27001 LA |
| 3 | Krishnaswamy D | 0.8 | 5+ years | CEH |
| 4 | Bikramkeshari Behera | 0.5 | 5+ years | CEH |
| 5 | Deepak Noveen | 2 years | 6 years | CEH |
| 6 | Prashant Thakkar | 1.9 years | 5 years | CEH |
| 7 | Kaushik Vivek | 1.2 years | 2.11 years | CEH, ISO 27001 LA |
| 8 | Prashant J | 4.8 years | 9 years | BS 25999 Business Continuity LA, ISO 27001 LA |
| 9 | Priya Sharma | 5.9 years | 5.9 years | CCNA, MCP, CCNA Security, CCSP, JNCIA-Ex |
| 10 | Srinivas Burra | 1 year | 6 years | CEH, ECSA |

| | | | | |
|----|--------------------|------------|------------|-----------------------------------|
| 11 | Sravan Rajanala | 1 year | 4.5 years | Certified Software Test Engineer |
| 12 | Shantnu Desai | 5 years | 5 years | CEH, CISA |
| 13 | Sudhanshu Joshi | 4 years | 14 years | CISA,ISO 27001 LA,ITIL |
| 14 | Chaitanya MNK | 1.5 years | 7 years | CEH, ISO 27001 LA, CISSP |
| 15 | Vivek Chudgar | 1.3 years | 15 years | CISSP, BS7799 LA |
| 16 | Ritu Dube | 8 years | 10 years | CISA,CISSP,CRISC |
| 17 | Satishn Kulkarni | 16 years | 25 years | CISA,CISSP,CRISC |
| 18 | Anusha Annapareddy | 4.9 years | 4.9 years | CEH,ISO 27001 LA |
| 19 | Ankur Umdekar | 8 years | 9 years | ISO 27001 LA,Diploma in Cyber Law |
| 20 | Ajit Kulkarni | 5 years | 7 years | CCNA,CCSA,JNCIS,ITIL |
| 21 | Vikas Choudhary | 6.9 years | 6.9 years | ITIL, OCA, Six Sigma |
| 22 | Isha Agrawal | 7.5 years | 7.5 years | SUN IDM Certified |
| 23 | Tarun Khushalani | 2.10 years | 2.10 years | CISA,ISO 27001 LA |
| 24 | Anil Kumar | 7 months | 16 years | CCNA,CISA,MCSA,CEH |
| 25 | Gaurav Priyadarshi | 6 years | 6 years | ISO27001 LA; ITIL v3 |
| 26 | Amit Sabharwal | 2 years | 14 years | CISA,CISSP,PMP |

8. Specify Largest Project handled in terms of scope (in terms of volume, complexity, locations etc.) along with project value.

National Employment Savings Trust (NEST) in UL (Government): Contract value: £600 million

NEST, the UK's first pension scheme aimed specifically at low-to-moderate earners launched in July 2011. From 2011 onwards, employers were able to offer the Scheme to selected employees, and were also able to contribute to their employees' pensions along with the employees' own contributions.

The key priority was to launch a Scheme in order to de-risk the impact of the Onset of Employer Duties (OED) in October 2012, from when employers will be legally required to automatically enroll eligible employees into a qualifying pension scheme. A Scheme Launch period, during which a small number of volunteer employers will be registered with the Scheme, will enable NEST Corporation (the Trustee that will manage the pension scheme) and its service providers the ability to prove the Scheme's systems, processes and supplier capabilities, as well as to provide an early view on employer and member behavior prior to the expected increase in employer and member volumes following OED.

NEST Corporation appointed TCS to administer the Scheme and supply, build required IT systems along with other suppliers.

As part of the Scheme administration, TCS hosts all the required development activities, live IT systems to support and implement the NEST Corporation's vision of launching a pension scheme. TCS has considered the engagement between NEST Corporation and Department of Welfare and Pension as part of ensuring a successful implementation.

The drivers are to use NEST:

- **as a sole scheme** for all the workers in an organization, if for example, there is no current pension provision in place
- **for a particular group of workers** alongside an existing scheme already in place for a different category of workers
- **as an entry level scheme** where there is an existing scheme that has a waiting period
- **as a base scheme** to ensure compliance with the new employer duties, using another scheme to pay in additional contributions

The NEST Scheme will have the potential to handle 6 million by 2012. TCS will:

- Use TCS tools and agile methods to accelerate design and development.

- use existing TCS software platform to accelerate implementation timetable

NEST Security Management Overview

NEST Corporation have evaluated information security requirements and formalized security contract with security requirements for the pension scheme. In essence, TCS have built a system for the Scheme that have appropriate controls in place to protect data equivalent to Impact Level 3 (both individual records and aggregated), with a Protective Marking of 'CONFIDENTIAL'.

All NEST Scheme environments that store/process are ISO 27001:2005 accredited. TCS has recommended and assisted in implementing Risk Management Methodology considering the NEST security requirements and UK Data Protection Act, to meet data privacy requirements.

The risk treatment plans of NEST Scheme detail the appropriate recommended/selected controls and the assurance plans that evidence how the various procedural, personnel and technical controls are capable of supporting the NEST Corporation security requirements and integrate them into System programme deliverables: the Internet Portal and the Contact centre module, Back office portal to administer and support the Scheme.

TCS are also supplying the Documentation storage integrated with Oracle data vault to store data in encrypted form, the BaNCS insurance engine and the Tivoli SIEM Audit log pieces. TCS have implemented security measures such as Ironport Data Leakage Protection, Secure File Gateway, TLS based email encryption to address security during data/information movement between suppliers and other relevant parties.

To support Scheme members and business support operations staff, all of whom will access the Scheme pensions website via a TCS-provided Identity and Access Management service. There is some 1,200,000 users' capacity available today for the Scheme pension users who will be able to access the services via the internet portal with robust base platform available to scale up to 6 million in the future. The authentication and authorization needs are managed by a TCS-provided ID&AM (Identity and Access Management) service. Also, the IT operations staff has been provided access to live systems via ID&AM and RSA based multifactor authentication system. All of them have Malware/AV/IPS gateway level scanning and checking.

The live environments (i.e. website and systems) are fully managed by TCS and a code deployment process has been agreed which, post go-live, will allow functional units to develop new code, patches etc, test them, then package them into Scheme website in accordance with volume 2 of UK Cabinet Office Government Data Standards Catalogue.

TCS has also implemented and tested business continuity measures, disaster recovery facilities for relevant Services aligning to BS 25999 standard.

This means that, following go-live of Pension Scheme; TCS is administering the Scheme and responding to queries raised by Scheme members.

To summarize TCS solution included providing end-to-end security built in by design into the business complying with UK Government requirements and ISO 27001 accreditation, led to the following key benefits;

- Securely leverage Onshore/Offshore model to drive down costs of operations
- Centralized Access Management for customers and centralized Identity management for employees leading to low administrative costs
- Customized Risk Management Methodology, Security Awareness training, Information Security Management System & Data Privacy framework

The benefits and value delivered included;

- Help create an organisation having very low residual data risk ensuring that operations can continue in adverse conditions
- A customised and dedicated security organisation to comply with the stringent client specific security controls

- Traceability matrix depicting the security controls mapping to various system components to assure complete compliance with security requirements

Locations

- NEST Pension systems are hosted out of data centers in UK configured in a resilient mode.
- Implementation Delivery and Scheme members contact center is there in Peterborough - UK.
- India based locations are primarily supporting locations for business delivery and Systems delivery – Mumbai (Back office operations), Bangalore and Kolkata are development centers.

9. List of Information Security Audit Tools used (commercial/ freeware/proprietary):

HP Web Inspect, HP AMP, AppScan, Acunetix, NTOSpider, Fortify, AppScan source, Paros, Burp Suite, Nessus, NMap, Wireshark, THCSSLCheck, Backtrack, Metasploit,

10. Outsourcing of Project to External Information Security Auditors / Experts: Yes/No (If yes, kindly provide oversight arrangement (MoU, contract etc.))

*Information as provided by < **Tata Consultancy Services Ltd**> on <**10/12/2013**>

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**Snapshot of skills and competence of CERT-In empanelled
Information Security Auditing Organisation**

M/s Torrid Networks Pvt. Ltd

1. Name & location of the empanelled Information Security Auditing Organization:

Torrid Networks Pvt. Ltd. , H-87, third Floor, Sector 63, Noida, NCR

2. Carrying out Information Security Audits since : 2006

3. Capability to audit , category wise (add more if required)

- Network security audit Yes
- Web-application security audit Yes
- Mobile application security audit Yes
- Wireless security audit Yes
- Compliance audits (ISO 27001, PCI, DOT Audit, etc.) Yes

4. Information Security Audits carried out in last 12 Months :

| | | |
|--|---|-----|
| Govt. | : | 20 |
| PSU | : | 2 |
| Private | : | 80 |
| Total Nos. of Information Security Audits done | : | 102 |

5. Number of audits in last 12 months , category-wise (*Organization can add categories based on project handled by them*)

| | | |
|--|---|----|
| Network security audit | : | 10 |
| Web-application security audit | : | 86 |
| Mobile Application security Audit | : | 5 |
| Wireless security audit | : | 3 |
| Compliance audits (ISO 27001, PCI, etc.) | : | 6 |

6. Technical manpower deployed for information security audits :

| | | |
|-----------------------------------|---|----|
| CISSPs | : | |
| BS7799 / ISO27001 LAs | : | 4 |
| CISAs | : | 2 |
| DISAs / ISAs | : | |
| Others/CEH | : | 5 |
| Total Nos. of Technical Personnel | : | 35 |

7. Details of technical manpower deployed for information security audits in Government and Critical sector organizations (attach Annexure if required)

| S. No. | Name of Employee | Duration with <i>Torrid Networks</i> | Experience in Information Security | Qualifications related to Information security |
|--------|------------------|--------------------------------------|------------------------------------|--|
| 1 | Dhruv Soi | October 2006 | 10 Years | CISA, CEH, ISO 27001 LA, ECSA, LPT |
| 2 | Aditya Gujar | February 2010 | 3 Years | CEH |
| 3 | Shashank Rathore | July 2012 | 1 Year | CEH |
| 4 | Prashant Sharma | July 2012 | 1 Year | CEH |
| 5 | T Sarath Chandh | February 2012 | 2 Years | CEH, ECSA |
| 6 | Salil Kapoor | February 2011 | 2 Years | ISO 27001 LA |

8. Specify Largest Project handled in terms of scope (in terms of volume, complexity, locations etc.) along with project value.

| | | |
|-------------------------|---|-------|
| No. of Computer Systems | : | 10000 |
| No. of Servers | : | 500 |
| No. of Switches | : | 250 |
| No. of Routers | : | 25 |
| No. of Firewalls | : | 18 |
| No. of IDS' | : | 10 |

9. List of Information Security Audit Tools used (commercial/ freeware/proprietary):

Freeware:

Nmap, Nessus, Metasploit, RAT, Hping2, Chkrootkit, Nikto, Burp, Paros, Achilles, WebScarab, SQL injector, Ollydbg, WireShark, Cain & Abel, BackTrack Distro

Commercial:

AppScan, Accunetix , CoreImpact, Nexpose, CodeSecure, Fortify, Qualys

10. Outsourcing of Project to External Information Security Auditors / Experts : No

* Information as provided by **Torrid Networks Pvt. Ltd.** on 23/05/2013

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**Snapshot of skills and competence of CERT-In empanelled
Information Security Auditing Organisation**

M/s Tech Mahindra Ltd

1. Name & location of the empanelled Information Security Auditing Organization :

Tech Mahindra Ltd

Pune: Sharda Centre, Off Karve Road,
Pune 411004, Maharashtra.
India
Tel: +91 20 6601 8100
Fax: +91 20 2542 4466

Mumbai: Wing 1, Oberoi Gardens Estate,
Off. Saki Vihar Road,
Chandivali, Andheri (E),
Mumbai 400 072,
Maharashtra. India
Tel: +91 22 6688 2000
Fax: +91 22 2847 8959

Noida: A-6, Sector 64
Noida, 201 301
Tel: +91 120 400 5000

2. Carrying out Information Security Audits since : 1999
3. Capability to audit , category wise (add more if required)
- | | | |
|--|---|-----|
| • Network security audit (Y/N) | : | YES |
| • Web-application security audit (Y/N) | : | YES |
| • Wireless security audit (Y/N) | : | YES |
| • Compliance audits (ISO 27001, PCI, etc.) (Y/N) | : | YES |
4. Information Security Audits carried out in last 12 Months :
- | | | |
|--|---|------|
| Govt. | : | None |
| PSU | : | 2 |
| Private | : | 2423 |
| Total Nos. of Information Security Audits done | : | 2425 |
5. Number of audits in last 12 months , category-wise **(Organization can add categories based on project handled by them)**
- | | | |
|--|---|------|
| Network security audit | : | 400 |
| Web-application security audit | : | 1902 |
| Wireless security audit | : | 23 |
| Compliance audits (ISO 27001, PCI, etc.) | : | 100 |
6. Technical manpower deployed for information security audits :
- | | | |
|---|---|----|
| CISSPs | : | 6 |
| BS7799 / ISO27001 Las | : | 20 |
| CISAs : | : | 6 |
| DISAs / ISAs : | | |
| Any other information security qualification: | | |
| CEH | : | 40 |
| ISTQB foundation | : | 4 |
| GIAC Web Application Security (GWAS) | : | 6 |
| ECSA - Certified Security Analyst | : | 10 |
| Total Nos. of Technical Personnel | : | 60 |

7. Details of technical manpower deployed for information security audits in Government and Critical sector organizations (attach Annexure if required)

| S. No. | Name of Employee | Duration with <Tech Mahindra> | Experience in Information Security | Qualifications related to Information security |
|--------|------------------------------|-------------------------------|------------------------------------|--|
| 1 | Mukhben Singh | 11 | 11 | CEH,ECSA |
| 2 | Gaurav Kumar | 9 | 11 | CISSP, CEH, ECSA |
| 3 | Olive Saha | 9 | 14 | CEH,GWAS,ISO27001,BS7799(LA),SSE-CMM,CCNA,SGCE and SGCA, ECSA |
| 4 | Ravishankar Kaushik | 7 | 7 | CISSP,GWAS,CNA,ISO 27001, CEH |
| 5 | Alex Mathews | 7 | 9 | CNNA,CCNP,MCSE,BS7799(LA),CEH, ECSA |
| 6 | Shital Panchal | 6 | 14 | GWAS, CEH, Advance Dip in Computer Application, ECSA |
| 7 | Amit Anand | 5 | 6 | CEH, ECSA |
| 8 | Abhijit Anant Surwade | 5 | 5 | CPTS, CEH,ECSA |
| 9 | Raoul Hira | 5 | 6 | CEH,MCSE,MCP,ECSA |
| 10 | Vishwanath Iyer | 3 | 3 | CEH, ECSA |
| 12 | Saurabh Jaisawal | 3 | 3 | CEH |
| 13 | Akshay Polekar | 6 months | 5 | CEH |
| 14 | Rahul Gala | 6 months | 5 | CEH |
| 15 | Kartik Dedhia | 6 months | 5 | CEH |

8. Specify Largest Project handled in terms of scope (in terms of volume, complexity, locations etc.) along with project value.

Client : Tire 1 Telco in USA

Scope :

- **Primary focus on PCI/Internet Facing applications**
- **In depth security assessments with focus on entire OWASP Top 10**
- **Highest skill-level of security resources finding issues before applications hit production**
- **Activities include: Secure Architecture/Design reviews, Secure Code Reviews, Automated + Manual penetration testing, Post deployment manual testing, Developer Awareness Trainings**

Value : in excess of 1,000,000 USD/year

Volume : more than 1100 security assessments in each year

9. List of Information Security Audit Tools used (commercial/ freeware/proprietary):

| S. No. | Name of Tool | Commercial | Freeware | Proprietary |
|--------|-----------------------------|------------|------------|-------------|
| 1. | ACUNETIX | YES | | |
| 2. | Nessus | YES | | |
| 3. | IBM Rational ApScan | YES | | |
| 4. | Nmap | | YES | |
| 5. | Metasploit Framework | | YES | |
| 6. | Hping2 | | YES | |
| 7. | Cain & Abel | | YES | |
| 8. | John the Ripper | | YES | |
| 9. | Nikto | | YES | |
| 10. | THC Hydra | | YES | |
| 11. | Paros Proxy | | YES | |

| | | | | |
|-----|---|--|------------|------------|
| 12. | Dsniff | | YES | |
| 13. | THC Amap | | YES | |
| 14. | w3af | | YES | |
| 15. | Burp Suite | | YES | |
| 16. | TamperIE | | YES | |
| 17. | Paros Proxy | | YES | |
| 18. | The Microsoft SDL Threat Modeling Tool | | YES | |
| 19. | Back Track | | YES | |
| 20. | ART Fact | | | YES |
| 21. | Mobil Vigil | | | YES |

10. Outsourcing of Project to External Information Security Auditors / Experts : Yes/No **NO**
(If yes, kindly provide oversight arrangement (MoU, contract etc.))

*Information as provided by **Tech Mahindra** on **26th Nov 2013**

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**Snapshot of skills and competence of CERT-In empanelled
Information Security Auditing Organisation**

M/s VISTA InfoSec Pvt. Ltd.

1. Name & location of the empanelled Information Security Auditing Organization :

VISTA InfoSec Pvt. Ltd.

Unit No. 133, Kuber Complex, Opposite Laxmi Industrial Estate, New Link Road, Andheri (W), Mumbai – 400053

2. Carrying out Information Security Audits since : 2004

3. Capability to audit , category wise

| | |
|---|-----|
| • Compliance audits (ISO 27001, PCI, etc.) | Yes |
| • Regulatory Compliances (RBI, HIPPA, FISMA etc.) | Yes |
| • PCI-DSS & PA-DSS Advisory & Audit | Yes |
| • Cloud Risk Management | Yes |
| • DLP Compliance Management | Yes |
| • GRC Consulting | Yes |
| • Network Security Audit | Yes |
| • Infrastructure Security Audit | Yes |
| • Internal/External Vulnerability Assessment | Yes |
| • Internal/External Penetration Testing | Yes |
| • Wireless Penetration Testing | Yes |
| • Wireless Security Assessment | Yes |
| • Physical Penetration Testing | Yes |
| • Physical Security Assessment | Yes |
| • Client-Side Penetration Testing | Yes |
| • Social Engineering | Yes |
| • Mobile Device Penetration Testing | Yes |
| • Mobile Infrastructure Risk Assessment | Yes |
| • VoIP Penetration Testing | Yes |
| • SocialMedia ScanTM / Social Media Assessment | Yes |
| • White-Box/Black-Box Mobile Application Security | Yes |
| • Web Services Assessment | Yes |
| • Grey-Box/Black-Box/White-Box Web Application Security Audit | Yes |
| • Incident Response Testing | Yes |
| • SCADA/ICS Risk Assessment | Yes |
| • Virtualization Risk Assessment | Yes |
| • IT Audit & Advisory Services | Yes |
| • Host Hardening | Yes |
| • Secure Configuration Reviews | Yes |
| • Firewall Rule Base Review Audits | Yes |
| • Malware Analysis and Forensics | Yes |

4. Information Security Audits carried out in last 12 Months :

| | | |
|--|---|-----|
| Govt. | : | 3+ |
| PSU | : | 3+ |
| Private | : | 22+ |
| Total Nos. of Information Security Audits done | : | 25+ |

5. Number of audits in last 12 months , category-wise

| | | |
|--|---|-----|
| • Network Security Audit | : | 3+ |
| • Infrastructure Security Audit | : | 3+ |
| • Black-Box Web Application Security Audit | : | 15+ |
| • Grey-Box Web Application Security Audit | : | 3+ |
| • Wireless Security audit | : | 8+ |
| • Compliance audits (ISO 27001, PCI, RBI etc.) | : | 15+ |

- Cloud Risk Assessment : 2+
- BCP/DR Audit : 2+
- Black-Box Mobile Application Security Assessment : 4+
- Web Services Assessment : 2+
- Virtualization Risk Assessment : 4+
- External Penetration Testing : 10+
- Client-Side Penetration Testing : 2+
- Black-Box Mobile Application Security Audit : 2+
- Incident Response Testing : 2+
- Physical Security Assessment : 2+
- Host Hardening : 100+
- Secure Configuration Reviews : 100+
- Firewall Rule Base Review Audits : 10+

6. Technical manpower deployed for information security audits :
 CISSPs : 2+ BS7799 / ISO27001 LAs : 5+ CISAs : 5+ eCPPT: 1

CEH : 2+
 OSCP/OSWP : 1
 Security+ : 2+
 CRISC: 1 Total Nos. of Technical Personnel : 32+

7. Details of technical manpower deployed for information security audits in Government and Critical sector organizations

| S. No. | Name of Employee | Duration with VISTA InfoSec | Experience in Information Security | Qualifications related to Information security |
|--------|------------------|-----------------------------|------------------------------------|--|
| 1 | Narendra Sahoo | 9 years | 18 years | CISSP, CISA, CRISC, ISO27001/ISO20000/BS25999 Assessor |
| 2 | Rohan Patil | 8 Years | 9 Years | eCPPT, OSCP, OSWP |
| 3 | Yogesh Satvilkar | 6 Years | 10 Years | CISSP |
| 4 | Amit Padwal | 3 Years | 5 Years | ISO27001, ISO20000 and BS25999 LA |
| 5 | Saru Chandrakar | 2 Years | 4 Years | ISO27001 Lead Auditor |
| 6 | Abhijit Kedare | 4 Years | 5 Years | CCNA, JCH & NP |
| 7 | Mahendra Dhodi | 2 Years | 3 Years | ACSE |
| 8 | Alok Kumar | 3 Years | 8 Years | LLB, ISO27001 Lead Auditor, CCNA |
| 9 | Deepak Valecha | 3 Years | 19 Years | CISA |

8. Specify Largest Project handled in terms of scope (in terms of volume, complexity, locations etc.) along with project value.

| | | |
|-------------------------|---|--------------------------------------|
| 1. Fastest Growing Bank | Develop Policies & Procedures as per ISMS, IT Advisory & Consulting, Web Application Security, Internal & External PT, Vendor Audits, Technical Assessment of IT Infrastructure (DC & DR), Datacenter Audit, InfoSec Awareness Training, Mobile Application Security, Physical Security Audit, Log Management, Wireless Assessment, Managed SOC Services etc. (3 Years with Quarterly reviews.) (DC, DR, Branches, Vendors) | Confidential will provide on request |
|-------------------------|---|--------------------------------------|

| | | |
|-------------------------------------|--|--------------------------------------|
| 2. Well Established Bank | VA/PT, Web Application Security Audit, Banking Application Audit, Host Hardening, Security Configuration Assessment. Firewall Rule Base Reviews etc. (3 Years with Quarterly reviews.) (DC & DR) | Confidential will provide on request |
| 3. Largest Steel | IT Assessment, Capacity Management | Confidential will |
| Manufacturing Company | and Planning, Network Assessment, Virtualization Risk Assessment, Network Analysis for Anomalies, VoIP Security etc. (Head-Office, Branch Offices, Main Hub Locations) | provide on request |
| 4. Government Regulatory Body (PSU) | VA/PT, Security Configuration Assessment, Web Application Assessment, IT Policies & Procedures Review Audit etc. | Confidential will provide on request |

9. List of Information Security Audit Tools used (commercial/ freeware/proprietary):

| | |
|--------------------------------|---|
| Vulnerability Scanners | Nessus Professional Feed, NeXpose Professional, GFI Languard, MBSA, Retina Professional, QualysGuard etc. |
| Exploitation Tools | Metasploit Pro, w3af, Core Impact, sqlmap, Canvas, BeEF, WebGOAT etc. |
| Web Application Scanners | Brup Suite Pro, Nikto, w3af, Paros Proxy, WebScarab, sqlmap, skipfish, Acunetix WVS, AppScan Pro, Wikto, Firebug, ratproxy, DirBuster, Wfuzz, Wapiti etc. |
| Wireless Security Tools | Aircrack, Kismet, NetStumbler, inSSIDer, KisMAC, AirSnort, AirTraf, AiroDump, AirCrack-ng Suite, Wireshark, etc. |
| Mobile AppSec Tools | Android/BB/iOS/Windows Simulators, Wireshark, SDK Tools, SSLStrip, SQLMap, DroidBox, iSniff, dsniiff, SQLite Spy, Ruby Scripts, Metasploit, APK Tool, Dex2jar, FlawFinder, Java Decompiler, Strace, Ubetooth, Aircrack-ng, Intent Sniffer, Debuggers, ASEF, Intent Fuzzer, Manifest Explorer, Eclipse, APIMonitor, Package Play, pySimReader, FoxyProxy, TamperData, Peach, Sulley, MobiSec In-house scripts etc. |
| VoIP Security Tools | <p>Sniffing Tools: Auth Tool, Cain & Abel, CommView VoIP Analyzer, Etherpeek, rtpBreak, SIPomatic, SIP v6 Analyzer, VoiPong, VOMIT, Wireshark etc.</p> <p>Scanning & Enumeration Tools: VoIP Pack for CANVAS, enumIAX, iaxscan, iWar, Nessus, nmap, SCTPScan, SFTF, SIPscan, SiVUS, VoIPAudit etc.</p> <p>Packet Creation & Flooding Tools: IAXFlooder, INVITE Flooder, NSAUDITOR – SIP Flooder, SCAPY, SIPp, SIPsak etc.</p> <p>Fuzzing Tools: Asteroid, Codenmicon VoIP Fuzzers, Interstate Fuzzer, IMS Fuzzing Platform, VoIPER etc.</p> <p>Signaling Manipulation Tools: BYE Teardown, H225regreject, IAXAuthJack, IAXHungup, SiPCPE, REdirectPoison, SIP-Kill etc.</p> <p>Media Manipulation Tools: RTP InsertSound, RTP MixSound, RTP Inject, Vo2IP, RTPProxy etc.</p> <p>Others: IAX Brute, SIP-Send-Fun, VSAP, XTest etc.</p> |
| Social Engineering | S.E.T, In-house Developed Application "SE Audit". |
| Social Media Assessment | In-House Developed Application "SocialMedia ScanTM", |
| Virtualization Risk Assessment | In-house developed tool "VirtScanner", Nessus Pro, NeXpose Pro, VRisk FrameworkTM etc. |
| Password Crackers | Brutus, Wfuzz, RainbowCrack, L0phtCrack, fgdump, ophcrack, THC Hydra, John the Ripper, Cain & Abel, Large Dictionary Files, 5TB of Rainbow Tables etc. |
| Debuggers | IDA Pro, OllyDbg, Immunity Debugger, GDB, WinDbg etc. |
| Packet Sniffers | Wireshark, Cain & Abel, Ethercap, NetStumbler, P0f, |
| Malware Analysis & Forensics | Wireshark, PaiMei, OllyDbg, IDA Pro, COFEE, ackack, PDF Stream Dumper, Netwitness Investigator, Cygwin, pefile, iDefense, SysInternals, HashCalc etc. |
| Security | In-house developed Scripts and Tools "SCA Toolkit" |

| | |
|------------------------|--|
| Configuration Analysis | |
|------------------------|--|

10. Outsourcing of Project to External Information Security Auditors / Experts : No

* Information as provided by **VISTA InfoSec Pvt. Ltd.** on 21/05/2013

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**Snapshot of skills and competence of CERT-In empanelled
Information Security Auditing Organisation**

M/s Wipro Limited

1. Name & location of the empanelled Information Security Auditing Organization :

Wipro Limited, Doddakannelli, Sarjapur Road, Bangalore - 560 035

2. Carrying out Information Security Audits since : 2005

3. Capability to audit , category wise (add more if required)

- Network security audit (Y/N) : Yes
- Web-application security audit (Y/N) : Yes
- Wireless security audit (Y/N) : Yes
- Compliance audits (ISO 27001, PCI, etc.) (Y/N) : Yes

4. Information Security Audits carried out in last 12 Months : Govt. : Atleast 5 PSU : Atleast 5 Private : Atleast 10 Total Nos. of Information Security Audits done : Atleast 30

5. Number of audits in last 12 months , category-wise (*Organization can add categories based on project handled by them*)

Network security audit: Atleast 10 Web-application security audit: Atleast 10 Wireless security audit: 0 Compliance audits (ISO 27001, PCI, etc.): Atleast 15

6. Technical manpower deployed for information security audits : CISSPs : Atleast 10 BS7799 / ISO27001 LAs : Atleast 15 CISAs : Atleast 20 DISAs / ISAs : 0 Any other information security qualification: CEH: Atleast 15 Total Nos. of Technical Personnel : Atleast 20

7. Details of technical manpower deployed for information security audits in Government and Critical sector organizations (attach Annexure if required)

Details attached in Annexure 1

8. Specify Largest Project handled in terms of scope (in terms of volume, complexity, locations etc.) along with project value

| S. No. | Name of the Client | Project Scope | Location | Approx Project value |
|--------|------------------------|---|----------------------------|----------------------|
| 1 | One of the largest BPO | PCI, Security audits, Application security, SOX, ISAE 3402, ITGC audits. Volume: More than 140 audits | 1. Gurgaon 2. Hyderabad | INR 16 Mn |

9. List of Information Security Audit Tools used (commercial/ freeware/proprietary):

Commercial Tools:

- a. Nessus—Vulnerability Scanner
- b. Acunetix--- Web Application Auditing

| | | | | | |
|----------------------|------------------|---------|-----------|-----------------|----------------------------|
| Freeware Tools: Nmap | Netcat | Nexpose | SuperScan | John the Ripper | Metasploit |
| Backtrack Live CD | Burp Suite | w3af | Brutus | Aircrack-ng | Netstumbler |
| Kismet | Foundstone Tools | SSlscan | Sqlmap | Hydra | Social Engineering toolkit |

| | | | | | |
|-----------|---------------|---------|--------------|----------------|---------------|
| Wireshark | Cain and Able | Fiddler | Sysinternals | Firefox addons | chrome addons |
|-----------|---------------|---------|--------------|----------------|---------------|

Proprietary Tools/Scripts

10. Outsourcing of Project to External Information Security Auditors / Experts : No
(If yes, kindly provide oversight arrangement (MoU, Contract etc))

* Information as provided by **Wipro** on 24-05-2013

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