

# Network Management Engineer

**Aliases:** NOC Engineer, Provisioning Engineer, Monitoring & Reporting Engineer

**Industry/Sector(s):** Telecom

## JOB DESCRIPTION <sup>1</sup>

The tasks a Network Management Engineer is expected to perform include:

- Launching Network Management System (NMS)
- Provisioning of end to end unprotected circuit
- Provisioning of end to end protected circuit
- Activating circuit
- Deactivating and deleting circuit

## WORK ENVIRONMENT

- It is not a desk job
- Work from home option is available
- Part-time work and contractual jobs are available
- Local travelling may be part of this job role
- Need to handle a team

### Working hours

- Working hours are 9/10 hours everyday for 5/6 days a week. This may vary from company to company
- Shift system is not available
- Being self-employed is also an option. In this case, the working hours and days will be flexible

### Is the job suitable for a candidate with special needs?

Maybe

## EDUCATIONAL QUALIFICATIONS AND TRAINING <sup>1</sup>

- Minimum – Preferably Diploma
- Certified training for Network Management Engineer (programme aligned to TEL/Q6302 released by Telecom Sector Skill Council)

## KEY COMPETENCIES <sup>1</sup>

- Knowledge of basic LINUX commands
- Equipped to validate TMF814 standards
- Familiar with basic MySQL and simple Java commands
- Knowledge of configuration of Server and Client
- Knowledge of PDH and SDH technology
- Knowledge of mapping and multiplexing technology of SDH
- Proficiency in optical Add-Drop Multiplexers
- Knowledge about basic equipment design and application
- Well versed on application scenario of Network Management System
- Experience in optical Fiber transmission
- Competent in understanding functions of attenuators
- Knowledge about functionality of test equipment

## DESIRABLE COMPETENCIES <sup>1</sup>

Training in L1 (SDH, DWDM), L2 (Switching, Routing) Technologies, Basics of Linux, Java and MySQL

## AVAILABLE SKILL TRAINING AND LEARNING INSTITUTES

- NIELIT, Jetking centres across India
- Ashoka Institute Of Technology & Management, Ashoka Engineering Chauraha, Paharia, Sarnath, Varanasi, Uttar Pradesh 221007, <http://www.ashokainstitute.com>
- Amiraj College Of Engineering & Technology SH 17, Khoraj, Gujarat 382170 <http://www.amirajcollege.in>
- Sidhartha Institute Of Engineering & Technology (Polytechnic) Surya Vihar, Ektaguda, Koraput <http://www.sietkoraput.in>
- Bundelkhand Institute Of Engineering & Technology Jhansi, Kanpur Road NH-25, Jhansi, Uttar Pradesh 284128, <http://www.bietjhs.ac.in>
- Dr Samuel George Institute Of Engineering & Technology, Darimadugu Village, Prakasam Dist, Markapur, Andhra Pradesh 523316 [www.drsgiet.ac.in](http://www.drsgiet.ac.in)
- Sir Issac Newton College Of Engineering And Technology, Velankanni Road, Pappakoil, Nagapattinam, Tamil Nadu 611102 [www.sincet.in](http://www.sincet.in)

## AVAILABLE SKILL TRAINING SCHEMES/SCHOLARSHIPS

<http://nscsindia.org/AboutUs.aspx>

## SAMPLE OF TRAINING AND LEARNING COURSES

Not Applicable

## CAREER PROGRESSION PATH <sup>3</sup>

Project Manager



IT manager → Movement to other occupation\*



Senior Network Engineer



**Network Management Engineer**



Help-desk Technician

\* Other industry verticals like Network Administration/IT/Information Systems are turning into key verticals for the Telecom Services sub-sector.

(Click here to view the Career Map in Network Management Engineer or click on [http://www.payscale.com/research/IN/Job=Network\\_Engineer/Salary](http://www.payscale.com/research/IN/Job=Network_Engineer/Salary) for the Career Map)

### Transfer option

•India: Yes

•Abroad: Yes

(\*This field to open the relevant job title when clicked)

## EXPECTED EARNINGS <sup>4</sup>

•For freshers - ₹ 8,000 to ₹ 10,000 per month

•For candidates with 1/2 years' experience - ₹ 12,000 to ₹ 15,000 per month

•For candidates with over 2 years' experience – ₹ 20,000 to ₹ 25,000 per month

(These figures are indicative and subject to change)

## REQUIRED WORK EXPERIENCE <sup>1</sup>

0 – 4 Years of hands on experience in Networking

## PROBABLE EMPLOYERS

- Telecom service providers across India
- IT and ITeS companies across India
- Electronics and IT hardware companies across India

## PEOPLE'S CORNER

Coming Soon

## KEYWORDS

NOC Engineer, Provisioning Engineer, Monitoring & Reporting Engineer, Network Engineering Manager, Network Administrator

## OCCUPATIONAL CODES AND STANDARDS

Standard	Code	Description
NCO 2015	3114.1301	Network Management Engineer
ISCO 2008	3114	Electronics and Telecommunications Engineering Technicians
NIC 2008	61102	Maintenance of telecom network
QP Reference	TEL/Q6302	Network Management Engineer
NSQF	5	NA

## REFERENCES

0	<p><a href="http://www.ibef.org/industry/telecommunications.aspx">http://www.ibef.org/industry/telecommunications.aspx</a></p> <p><a href="http://www.aptechnpower.com/hardwar enetworking.html">http://www.aptechnpower.com/hardwar enetworking.html</a></p> <p><a href="http://www.censusindia.gov.in">www.censusindia.gov.in</a></p>
1	1 Qualifications Pack – Network Management Engineer
2	<a href="https://www.estoolkit.com/DisplayFile.aspx?fileGuid=d80f4591-3775-44e3-a1da-5e8e3196aa10">https://www.estoolkit.com/DisplayFile.aspx?fileGuid=d80f4591-3775-44e3-a1da-5e8e3196aa10</a>
3	<a href="http://www.payscale.com/research/IN/Job=Network_Engineer/Salary">http://www.payscale.com/research/IN/Job=Network_Engineer/Salary</a>
4	<a href="http://www.paycheck.in/main">http://www.paycheck.in/main</a>
5	<a href="http://info.shine.com/industry/telecom/9.html">http://info.shine.com/industry/telecom/9.html</a>
6	<a href="http://jobsearch.naukri.com/network-engineer-jobs">http://jobsearch.naukri.com/network-engineer-jobs</a>
7	<a href="http://www.ibef.org/industry/telecommunications.aspx">http://www.ibef.org/industry/telecommunications.aspx</a>