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| CCPL |
| NMS Project Plan |
| Project Timelines |

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| CCPL  5/7/2011 |

# Product Name: NMS

Feature: NMS Reporting

Requested By: Vivek Bansal

Reviewed By: Prateek Goel

Implemented By: Peeyush Raj

Verified By: Utkarsh Jain

SW release version in which Feature included:

## Revision history (in case multiple revisions)

|  |  |  |  |
| --- | --- | --- | --- |
| Revision | Date | By | Description |
| 0.01 | 5/3/2011 | Amit K. Sharma | NMS Project Timeline |
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# Project Planning and Timeline

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| --- | --- | --- | --- | --- | --- |
|  | **Module** |  | **Feature** | **Development Man Hours [inclusive of 10% buffer]** | **Planning Man Hours** |
| 1 | Administration | |  | 300 | 200 |
|  |  | a | Audit Log |  |  |
|  |  | b | User / Role Management |  |  |
|  |  | c | Device Assignment |  |  |
|  |  | d | System Settings |  |  |
|  |  | e | Upgrade System |  |  |
|  |  | f | DB Backup / Restore |  |  |
|  |  |  |  |  |  |
| 2 | Monitor |  |  | 1000 | 200 |
|  |  | a | Data Traffic [SNMP] |  |  |
|  |  | b | Alarms with categorization |  |  |
|  |  | c | Device Information / Services |  |  |
|  |  | d | User Dashboard |  |  |
|  |  | e | Device Dashboard |  |  |
|  |  | f | Generic Device Monitoring |  |  |
|  |  | g | Graphical / Geographical View |  |  |
|  |  | h | Acknowledgement of Alarms / Notifications/Resolution |  |  |
|  |  | i | Connected Users |  |  |
|  |  |  |  |  |  |
| 3 | Configuration : Device Level | | | 1000 | 200 |
|  |  | a | Auto Discovery [Multiple Instances] |  |  |
|  |  | b | Profile Templates |  |  |
|  |  | c | Config Task [To be defined in details, per case basis + Scheduling] |  |  |
|  |  | d | *Factory Reset* |  |  |
|  |  | e | *Firmware Upgrade [Manual / Scheduled]* |  |  |
|  |  | f | Firmware files Management |  |  |
|  |  | g | Individual Device Management [HTTP Frame] |  |  |
|  |  | h | Route Management |  |  |
|  |  | i | Schedule Management |  |  |
|  |  |  | auto provisioning |  |  |
| 4 | Reporting |  |  | 400 | 200 |
|  |  | a | Save Report on Server |  |  |
|  |  | b | Historical Reports |  |  |
|  |  | c | Graph based Analytics |  |  |
|  |  |  |  |  |  |
| 5 | Accounting & Authentication | | | 300 | 200 |
|  |  | a | Usage, Time based billing |  |  |
|  |  | b | ID based on IP/Mac/Username |  |  |
|  |  | a | RADIUS Integration [with Proxy] |  |  |
|  |  |  |  |  |  |
| 6 | Interfaces |  |  |  | 300 |
|  |  | a | Webbased Portal |  |  |
|  |  | b | SNMP Northbound |  |  |
|  |  | c | Notification System [SMS/EMAIL] |  |  |
|  |  |  |  |  |  |
| 7 | Scalability / Redundancy | | | 0 |  |
|  |  | a | Handling Large Networks & Operation |  |  |
|  |  | b | Distributed System |  |  |
|  |  | c | Device Failover Management |  |  |
|  |  |  |  |  |  |
| 8 | Planning |  |  | 0 |  |
|  |  | a | Wireless Coverage Planner [Indoor / Outdoor] |  |  |
|  |  | b | *Network Design* |  |  |
|  |  | c | *Signal Strength* |  |  |
|  |  |  |  |  |  |
| 9 | device list : integration | | | 200 |  |
|  |  | a | APs |  |  |
|  |  | b | Switches – 24 / 8 Port |  |  |
|  |  | c | IP Radios |  |  |
|  |  | d | E1 Radios |  |  |
|  |  | e | IP Cameras |  |  |
|  |  | f | Home Gateway / Enterprise Gateway / Switch 4 Port |  |  |
|  |  |  |  |  |  |
|  | **Total** |  |  | **3200** | **1300** |
|  |  |  |  |  |  |