LIST OF ACRONYMS

ABBREVIATION	DETAILS
REC	Rural Electrification Corporation
CEA	Central Electricity Authority
AMI	Advanced Metering Infrastructure
EV	Electric Vehicle
PHEV	Plug-In Hybrid Electric Vehicle
IEC	International Electro technical Commission
IEEE	Institute of Electrical And Electronics Engineers
NIST	National Institute of Standards And Technology
ETP	European Technology Platform
NERC-CIP	North American Electric Reliability Corporation Critical Infrastructure Protection
EPRI	Electric Power Research Institute
EMI	Electro Magnetic Interference
IDE	Integrated Development Environment
HTML	Hyper Text Markup Language
WAN	Wide Area Network
OPNET	Optimized Network Engineering Tool
PAN	Personal Area Network
LAN	Local Area Network
SCADA	Supervisory Control And Data Acquisition
WLAN	Wireless Local Area Network
QoS	Quality of Service

HAN	Home Area Network
NAN	Neighborhood Area Network
WiMAX	Wireless Interoperability For Microwave Access
WSN	Wireless Sensor Network
Wi-Fi	Wireless Fidelity
IoT	Internet of Things
M2M	Machine To Machine
PLC	Power Line Communication
PRIME	Power Line Intelligent Metering Evolution
BPL	Broadband Over Power Line
ISM	Industrial Scientific And Medical
GHG	Green House Gases
ISP	Internet Service Provider
GSM	Global System For Mobile Communication
CDMA	Code Division Multiple Access
LTE	Long Term Evolution
ICT	Information And Communication Technology
WPAN	Wireless Personal Area Network
FHSS	Frequency Hopping Spread Spectrum
GFSK	Gaussian Frequency Shift Keying
PPP	Point To Point Protocol
BER	Bit Error Rate
L2CAP	Logical Link Control And Adaptation Protocol
TCS	Telephony Control Specification

SDP	Service Discovery Protocol
DSSS	Direct Sequence Spread Spectrum
O-QPSK	Orthogonal Quadrature Phase Shift Keying
TDMA	Time Division Multiple Access
AES	Advanced Encryption Standard
MAC	Media Access Control
CBC-MAC	Cipher Block Chaining - Message Authentication Code
RFD	Reduced Function Device
FFD	Full Function Device
IP	Internet Protocol
TCP	Transmission Control Protocol
UDP	User Datagram Protocol
ICMP	Internet Control Message Protocol
IPv6	Internet Protocol version six
LLC	Logical Link Control
OFDM	Orthogonal Frequency Division Multiplexing
BSS	Basic Service Set
ESS	Extended Service Set
ITU	International Telecommunication Union
CSMA-CA	Carrier-Sense Multiple Access With Collision Avoidance
NRZ	Non Return To Zero
WMAN	Wireless Metropolitan Area Network
QAM	Quadrature Amplitude Modulation
QPSK	Quadrature Phase Shift Keying

OSI	Open Systems Interconnection
MIMO	Multiple Input Multiple Output
WWWW	World Wide Wireless Web
BDMA	Beam Division Multiple Access
FBMC	Filter Bank Multi Carrier
HDTV	High Definition Television
D-QPSK	Differential- Quadrature Phase Shift Keying
8PSK	Eight Phase Shift Keying
SSCS	Service Specific Convergence Sublayer
FEC	Forward Error Correction
RAN	Regional Area Network
WRAN	Wireless Regional Area Network
RTS/CTS	Request To Send/Clear To Send
EDCA	Enhanced Distributed Channel Access
PLCP	Physical Layer Convergence Protocol
PMD	Physical Medium Dependent
CCA	Clear Channel Assessment
AIFS	Arbitration Inter-Frame Spacing
SPDT	Single Pole Double Throw
EDR	Enhanced Data Rate
LCD	Liquid Crystal Display
GUI	Graphical User Interface
URL	Universal Resource Locator
WPA-PSK	Wireless Fidelity Protected Access Phase Shift Keying

DHCP	Dynamic Host Configuration Protocol
DNS	Domain Name System
ANSI	American National Standards Institute
ESD	Electro Static Discharge
OIML	International Organization of Legal Metrology
IBM	International Business Machines Corporation
DoS	Denial of Service