



AMI-HAN Interface

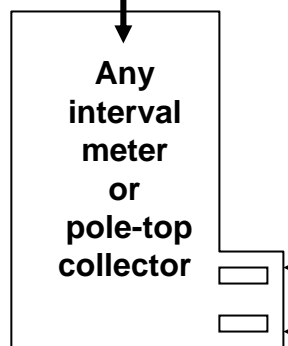


Utility Owned

- interval energy
- time
- billing start time
- peak power
- messages
- acknowledgements
- price signals
- reliability signals

Private Fixed Networks
WAN/LAN

2-way



2-way

RF-TX¹
and/or
PLC-TX²

2-way

Consumer Owned

Third-Party
Provider

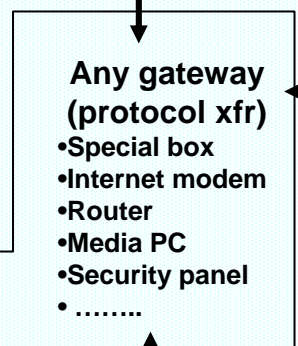
Third-Party
Provider

Third-Party
Provider

Third-Party
Provider

PSTN/DSL/Cable/Satellite
WAN/LAN

2-way



Broadband
TV, music

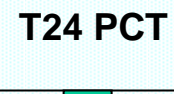
RDS/FM or pager broadcast

1-way

HAN Protocols³

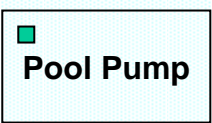
- Zigbee
- Z-wave
- Insteon
- Wi-Fi
- EIA709
- HomePlug
- Bluetooth

2-way



HAN access using
expansion port

2-way



2-way



2-way



1.e.g., 802.11b, proven mesh LAN protocol, etc.
2.To be determined
3.Up to 45 active protocols worldwide