

## **Outline of Broadcast-based H2G Communication Solutions**

An Examination of RDS and NOAA weather radio and others for smart grid communications

1. Overview of requirements
  1. Desired characteristics
    1. Single nation wide standard
    2. International compatibility for OEMs
    3. Full market coverage
    4. Redundancy and reliability
    5. Time to deployment
    6. Availability of Hardware
    7. Low Capital and operating cost of infrastructure
    8. Low Capital and operating cost to consumer devices
  2. Technical requirements
    1. Authentication
      1. Encryption capable
    2. Security of infrastructure
    3. Performance specifications
      1. Actual field (in a variety of home structures) performance
2. Technology overview of RDS
3. Technology overview of weather radio
4. Technology overview of other broadcast based solutions
  1. Paging
  2. others