

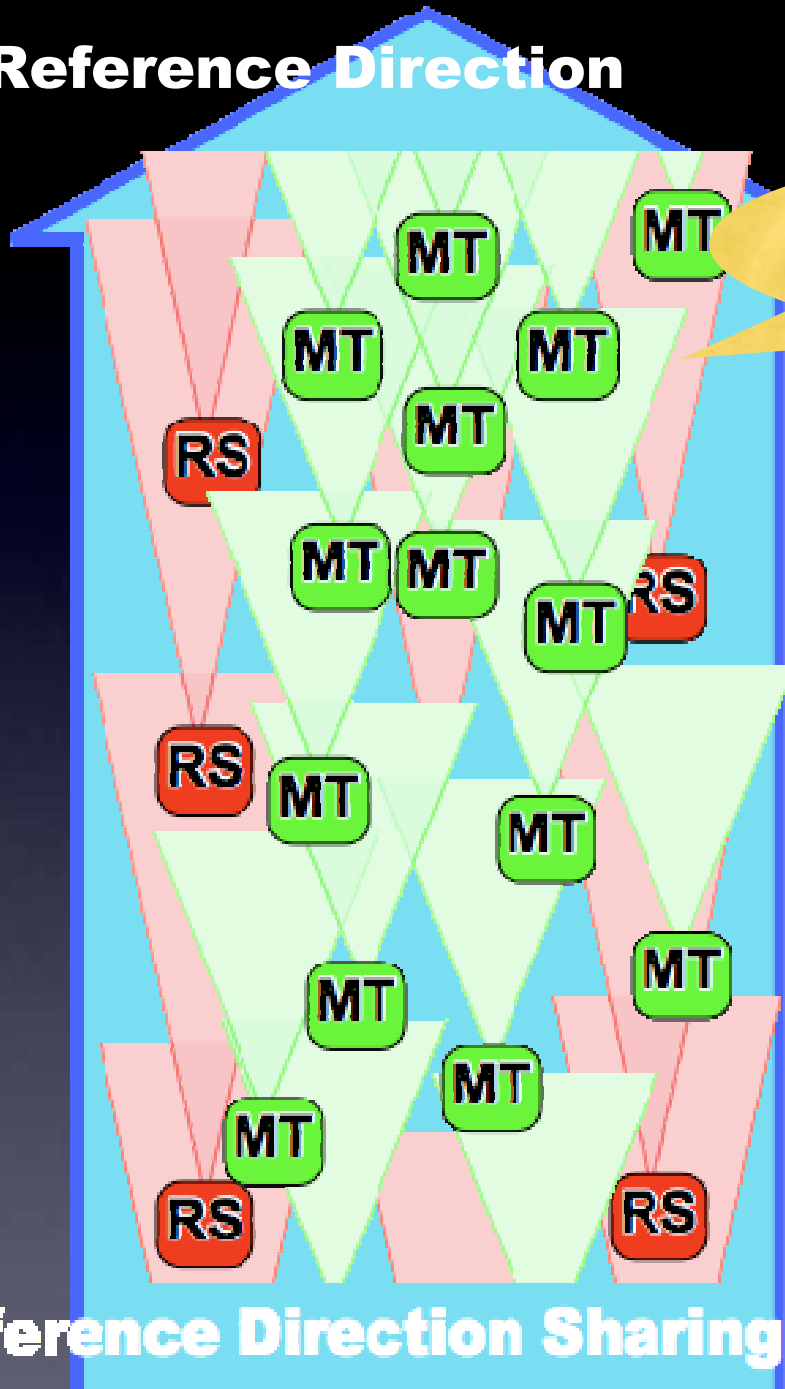
# A Proposal for GPS-less Location Detection Using a Reference Direction Information Sharing Method with Co-operation of Mobile Terminals

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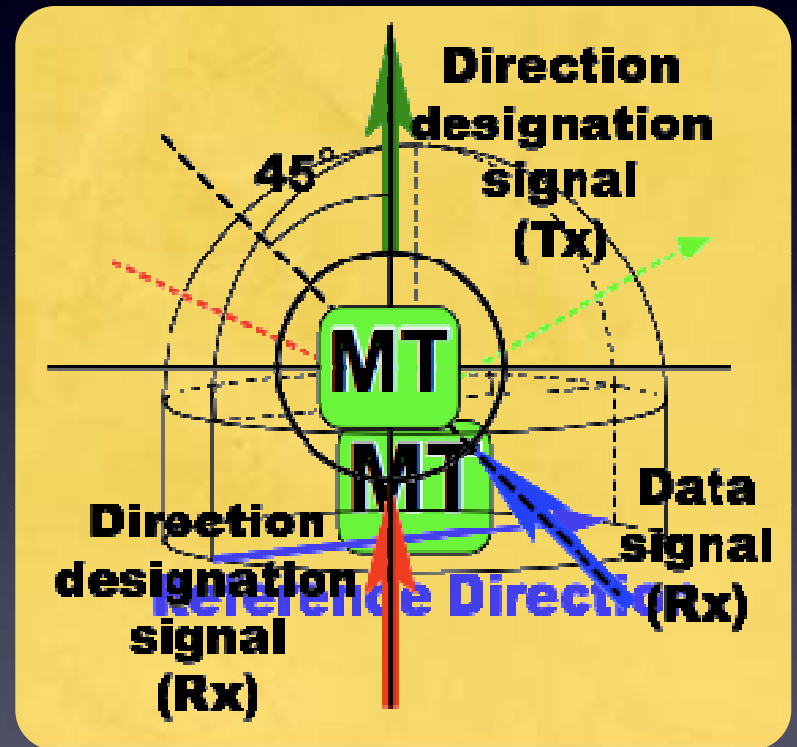
- Target
  - wireless communication system and mobile terminals, especially useful for location based service without using GPS receiver in the service area
- Key
  - Reference Direction Sharing Area
  - Direction Designation Signal

**Reference Direction**



**Direction Designation Signal**

**Reference Direction Sharing Area**



**RS: Reference Station**  
**MT: Mobile Terminal**