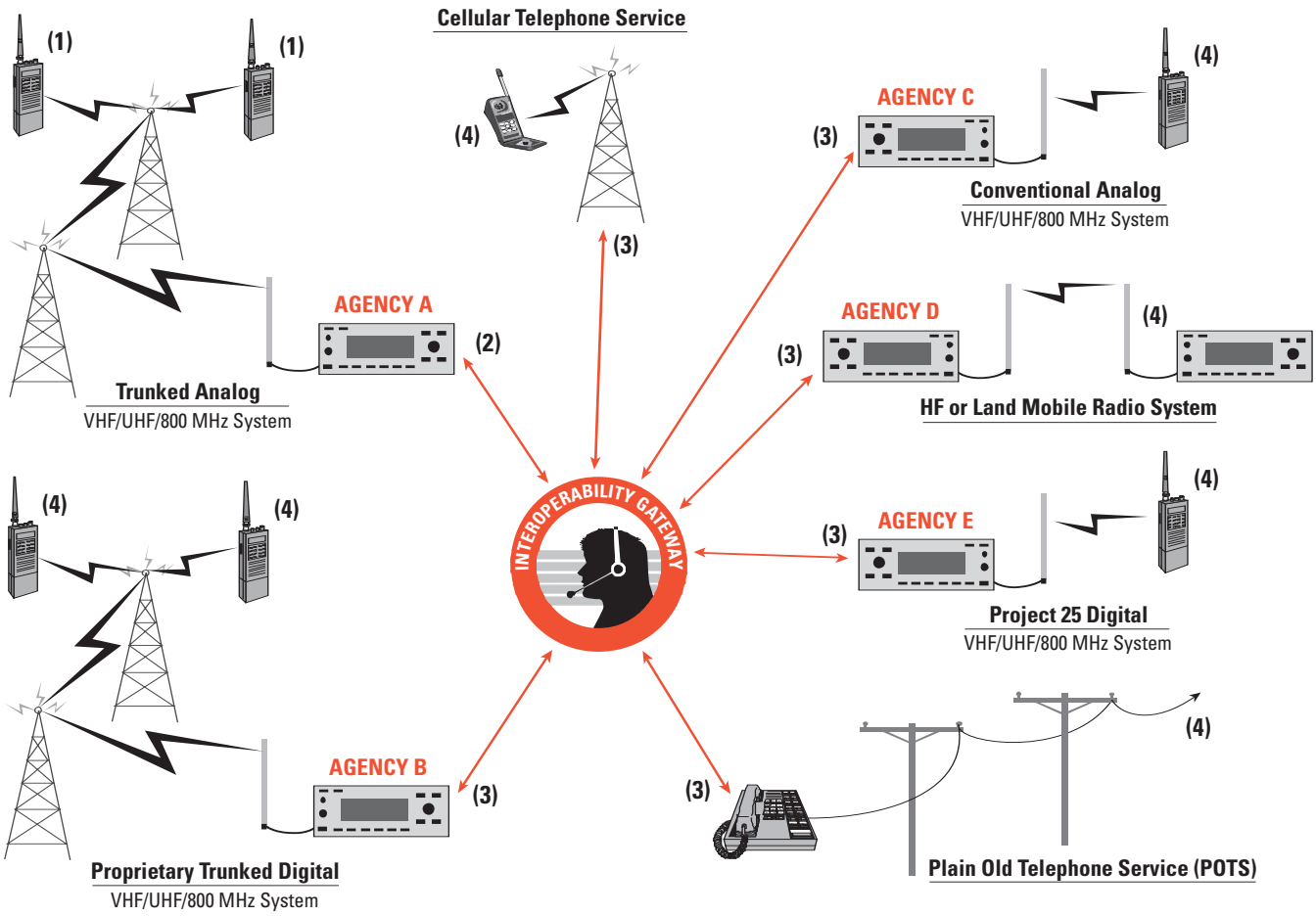
Figure 1. Gateway interconnect system



Agency A, which uses a trunked analog system, needs to communicate with its own officers as well as Agencies B, C, D, and E, all of which use different systems. Agency A's message (1) goes to the gateway (2) and is then simultaneously retransmitted to the various systems (3), which then transmit the message to each agency's personnel in the field (4).

It is important to note, however, that a gateway system does not extend the coverage of any individual agency. Rather, the system's coverage is limited to the common overlapping area of the participating agencies.