



Network Connectivity for Amateur Radio at Served Agencies



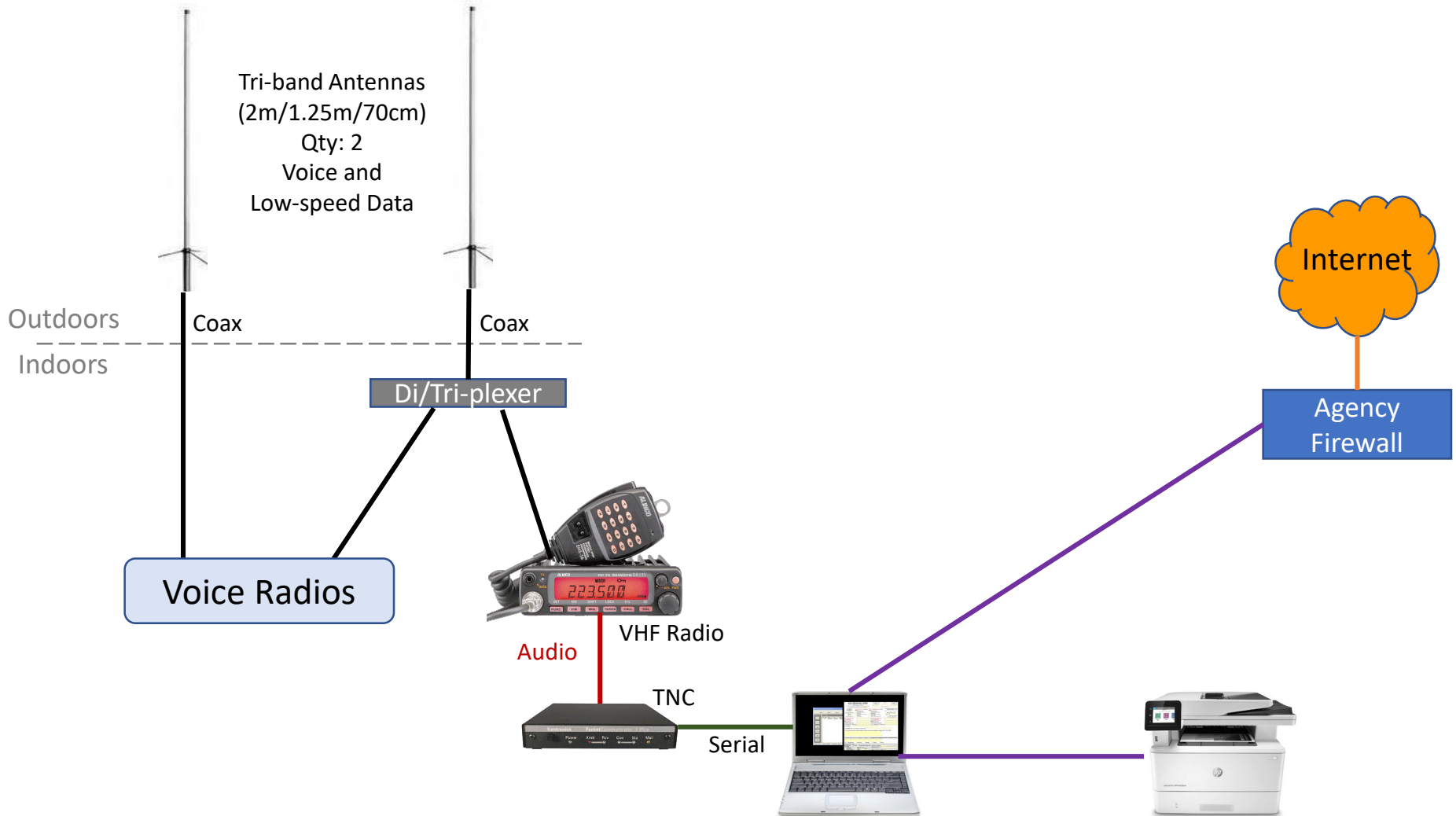
Santa Clara County ARES/RACES

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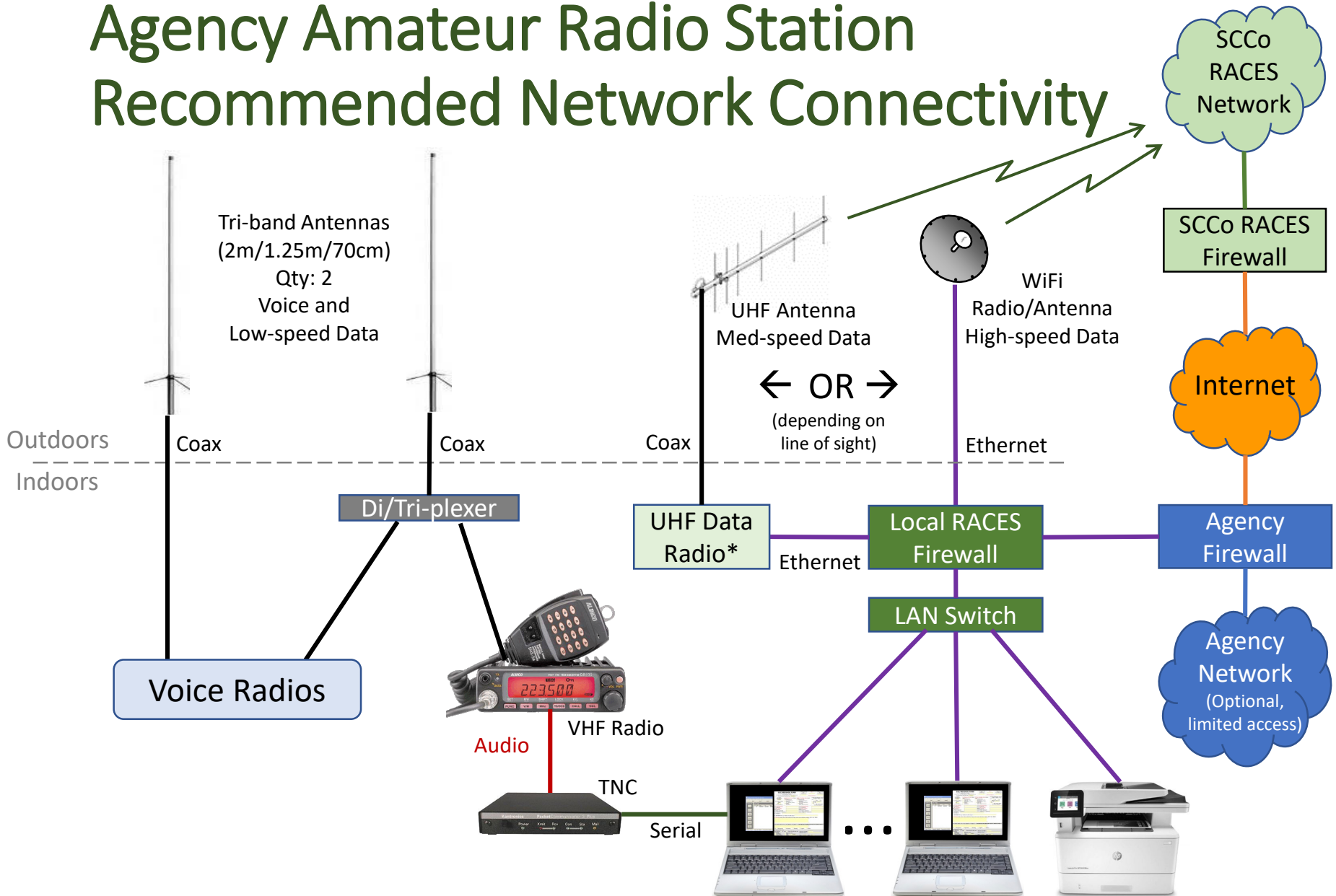
Agency Amateur Radio Station Essential Network Connectivity



Notes: Agency Amateur Radio Station Essential Network Connectivity

- Combination of VHF/UHF radios and antennas enables simultaneous operation on city and county voice and low-speed data nets
- Laptop and printer enables efficient processing of forms-based communications, which is most of agency traffic
- Internet access enables flexible access to tools and other Internet-based resources during non-emergency situations
- Local admin rights on PC(s) enables installation of tools and drivers during emergency and non-emergency situations
- Agency firewall prevents unauthorized access to the agency network

Agency Amateur Radio Station Recommended Network Connectivity



Notes: Agency Amateur Radio Station Recommended Network Connectivity

- Adds higher-speed data access to Santa Clara County RACES data network
 - If line of sight exists to a hub site, use high speed (n*10 Mbps) radio
 - Enables access to SCCo RACES Intranet and Internet
 - Provides agency with alternate access to Internet
 - If no line of sight exists, use UHF radios for some additional services
 - No alternate access to Internet
 - *UHF Data Radio undergoing trials; not yet selected
- Local RACES firewall controls access to local RACES LAN segment
- On agency's firewall: Consider enabling very limited access to shared drives or other tools used by the agency's emergency management team to enable efficient sharing and archiving of data and forms

End

For more info: <https://www.scc-ares-races.org/data>