AVRS is the ham radio Universal Voice Contact System equivalent to the Universal Ham Radio Text Messaging initiative. Both of these initiatives attempt to cross connect all ham radio systems so that only a callsign is needed to establish TEXT or VOICE contact. For Voice, we are trying to cross connect all of the VoIP ham radio link Programs (IRLP, ECHOlink, WIRES, D-STAR, Asterix, etc.).

AVRS will allow any APRS mobile to establish a voice link to any other APRS station anywhere on the planet by simply sending an APRS message with the other station's callsign. This is accomplished by a single AVRS engine via internet links between the global APRS, IRLP, Echolink, D-Star and WIRES systems. This engine will operate stand-alone similar to how the WU2Z Email engine now handles APRS Email. But instead of Emails, the AVRS engine handles the logistics look-up and messaging needed to initiate a Voice call between two APRS voice operators with no other knowledge than the callsign of the CALLEE.

AVRS Messages via APRS

?	AVRS will send back a message telling you the range to your nearest Echolink, ILRP or Allstar node, its frequency, tone and node number.
?callsign	AVRS will send back a message telling you the range to the callsign's nearest Echolink, ILRP or Allstar node, its frequency, tone and node number. [**NO SPACE** between ? and callsign !]
callsign	AVRS will send back a message telling both about each other's nearest Echolink, ILRP or Allstar node, its frequency, tone and node number plus the fact that it is a voice call request.

Examples

I (DF8LS-9) write AVRS	?
AVRS answers me	144.962MHz T141 EL#517844 0.31 miles
I (DF8LS-9) write AVRS	?DA1ABC-9 [**NO SPACE** between ? and callsign !]
AVRS answers me	CALL DA1ABC-9 on 144.975MHz T067 EL node 226916
I (DF8LS-9) write AVRS	DA1ABC-9
AVRS answers me	CALL DA1ABC-9 on 144.975MHz T067 EL node 226916
AVRS sends DA1ABC-9	VOICE CALL from DF8LS-9, PSE QSY 144.975MHz T067

In the result I know *his node number* I have to dial via *my nearest Echolink* station and DA1ABC-9 knows *his frequency* to dial to catch my call.

If AVRS does not know where the requested callsign presently is the answer tells:
UNKNOWN POSITION FOR   DA1ABC-9

Enjoy !

excerpts from WB4APR compiled by SA7SKY