Example Roaming Configuration for Talkgroup: "NC 5150"

UHF XPR6550 Handheld - Automatic Roaming Settings   **Setting**

		Setting
Network/Beacon Interval (seconds):		100
Contacts/Digital - Create Group Call:		NC 5150
Contacts/Digital - Create Group Call ID#:		5150
Channels/Digital - Create a channel position for roaming (name):		NC 5150 Roam

Channels/Digital - Make sure these channels exist:

(Reference City)	*Name*	*RX/TX*	*Slot*	*CC*	*IPSC*	*Group*	*Power*
(Pittsburg)	K6PIT NC 5150	440/445.1250	1	1	Checked	NC 5150	High
(Livermore)	K6LRG NC 5150	441/446.8250	1	1	Checked	NC 5150	High
(Walnut Creek)	MVT WC NC 5150	443/448.0625	1	1	Checked	NC 5150	High
(Oakland)	MVT Oak NC 5150	443/448.5000	1	1	Checked	NC 5150	High
(Pleasanton LL)	N6LDJ NC 5150	444/449.2750	1	1	Checked	NC 5150	High
(Pleasanton)	W6SRR NC 5150	443/448.5125	1	1	Checked	NC 5150	High
(Danville)	N6TRB NC 5150	440/445.0000	1	1	Checked	NC 5150	High
(Salinas)	W6JSO NC 5150	444/449.5250	1	1	Checked	NC 5150	High
(Cazadero)	NN6J NC 5150	440/445.1250	1	**2**	Checked	NC 5150	High
(Hopland)	NN6J NC 5150	444/445.1375	1	1	Checked	NC 5150	High
(San Jose LL)	WA6HTP NC 5150	444/449.2625	1	1	Checked	NC 5150	High

LL - Low Level

		Setting
Roam/Create a New Roam List:		NC 5150 ROAM
Roam/Assign List Members to New Roam List:		"Selected", Plus <All from Above>

Channels/Digital - Assign Roam List above to "NC 5150 Roam" channel created earlier

		Setting
Roam/Site Search Timer (seconds):		15
Roam/Active Site Search:		Checked
Roam/RSSI Threshold (dBm):		-100

UHF XPR4550 Mobile - Automatic Roaming Settings   **Setting**

Same as above except -

		Setting
Roam/RSSI Threshold (dBm):		-108

VHF (2M) XPR6550 Handheld - Automatic Roaming Settings   **Setting**

Channels/Digital - Make sure these channels exist:

(Reference City)	*Name*	*RX/TX*	*Slot*	*CC*	*IPSC*	*Group*	*Power*
(Sacramento)	W6JMP NC 5150	145.0125/147.5125	1	1	Checked	NC 5150	High
(Fremont)	W6TCP NC 5150	144.9875/147.4875	1	1	Checked	NC 5150	High
(Mt. Diablo)	W6UUU NC 5150	144.9500/147.4500	1	1	Checked	NC 5150	High

		Setting
Roam/Create a New Roam List:		Same as above
Roam/Assign List Members to New Roam List:		Same as above

Channels/Digital - Assign Roam List above to "NC 5150 Roam" channel created earlier

		Setting
Roam/Active Site Search:		Checked
Roam/RSSI Threshold (dBm):		-94

VHF (2M) XPR4550 Mobile - Automatic Roaming Settings   **Setting**

Same as above except -

		Setting
Roam/RSSI Threshold (dBm):		-102

Note 1: Create a roam list for each talkgroup on the network to roamed among (5 talkgroups = 5 roam lists)
Note 2: Network/Beacon Interval (Polling) set per Motorola Planner for ~ 8 repeaters/area
Note 3: Roaming parameters assume high power settings in your mobile and Handheld radio. Otherwise:
   Set the Roam/RSSI Threshold (dBm) to -94 UHF/-88 VHF for low power (1W) Handheld
   Set the Roam/RSSI Threshold (dBm) to -106 UHF/-100 VHF for low power (25W) mobile
   The difference between UHF and VHF is due to noise; VHF assumed to have 6 dB higher noise floor.