

GCARC Standard Frequency & Programming Guide

Draft v0.2 — all amateur repeaters within ~25 miles of the geographic center of Gloucester County, plus GMRS, HF reference and public-safety monitor channels

Prepared for
Jon, WB2MNF
Gloucester County ARC

208 channels · 15 zones
28 September 2026
Supersedes v0.1 of 16 Aug 2026

STATUS — DRAFT. Every entry is sourced, but **nothing here has been verified on the air**. Do not publish, do not send to Cross Talk, and do not hand this to a served agency until the working group has reviewed it and the verification list in Section 7 has been worked off. **v0.2** folds in the merged Section EOP / SNJ ARES online listing review: four open conflicts are now resolved, four new ones are raised, and six channels that were missing have been added. The full list of changes is in Section 2.

1 What this is, and what it is for

This is the strawman for the action item from the planning meeting: build a South Jersey frequency list, then turn it into code plugs so that every member’s radios — HT, mobile, base, and the throwaway Baofengs in the go-kit — carry the same channels in the same order.

The design goal from the meeting still governs:

“Same principle as the fire service. The backboard is in the same compartment on every rig. You don’t have to think about it — it’s muscle memory.”

The constraint that shapes everything below: there is no universal channel numbering across HT models, so a single identical channel *number* plan is not achievable. What *is* achievable is identical **zone order** and identical **channel order within each zone**. That is what this document specifies. Count from a known position and you land in the same place on anyone’s radio.

Zones are capped at 16 channels so the plan fits knob-limited DMR HTs and Baofeng-class radios. Several zones are shorter simply because there is nothing more to put in them.

Reference point: 39.717° N, 75.210° W — the GCARC clubhouse at the Gloucester County 4-H Fairgrounds, 275 Bridgeton Pike, Mullica Hill. That sits about a mile and a half from the county’s geographic center, so the two are effectively the same circle.

2 What changed since v0.1

Version 0.1 was built from RepeaterBook and the SNJ ARES online listing. Since then the Section EOP (Appendix G, rev. 4 August 2023) has been merged against that listing line by line, and the club has confirmed the status of the Glassboro DMR machine directly. The result is below. Nothing was silently changed — every edit is here.

Zone	Change
Z1	146.535 noted as shared with Burlington TAC4
Z2	Removed TAC2/TAC3/TAC4 — they were mislabeled here (147.495 is Burlington TAC1, not TAC2) and are correctly named in Z8
Z2	ADDED 449.975 W2FHO Mantua — Gloucester County SKYWARN repeater, absent from v0.1
Z2	ADDED 146.475 W2RM Franklinville — Gloucester County OEM repeater, absent from v0.1
Z3	ADDED 442.150 N2KDV Camden — Camden County ARES secondary listed in the Section EOP but absent from v0.1
Z3	Removed 448.025 N2HQX Camden to hold the zone at 16 — general-use machine with no emergency role listed
Z4	147.255 Cumberland — callsign/location conflict now flagged in the row
Z4	146.560 Camden simplex — .560 vs .565 conflict now flagged in the row
Z7	RESOLVED tones: Cape May 147.240 = 146.2, Mercer 147.105 = 123.0, Ocean 449.825 = 131.8
Z7	RESOLVED NJ OEM-220 — 224.320 / 222.720 PL 67.0 confirmed; 224.300 was an error
Z9	ADDED the two 7.10150 VARA HF Winlink gateways (W2MMD Pitman, W2KBF Swedesboro) — absent from v0.1
Z9	ADDED APRS digipeater KC2QVT-15 Pemberton as the northern counterpart to K2EOC Lindenwold
Z10	

	RESOLVED KD2LNB 440.10625 Glassboro — confirmed active DMR, off SCERN; TS2/TG9 placeholder added
--	---

3 How to read the tables

- **Output** is the repeater’s transmit frequency — program it as your receive frequency.
- **Dup:** + / – = standard repeater offset. s = simplex. **RX** = receive only, transmit inhibited.
- **TX Tone** is what your radio sends; **RX Tone** is tone squelch on receive. Where RX Tone is “—” the source published none — run carrier squelch on receive.
- **Mi** is straight-line distance from the reference point, computed from published site coordinates. It is a planning number, not a coverage prediction: a 20-mile machine on a water tower will beat a 10-mile machine in a basement.
- cc1 / cc2 in the DMR zone means **color code**, not CTCSS.

4 Licensing — read before programming anything

This is the part that will get the club in trouble if it is glossed over, and it is exactly the kind of detail that separates a group an agency will work with from one it won’t.

An amateur license is issued under FCC Part 97. It conveys authority on amateur allocations and nothing else.

Zone	Transmit authority
Z1–Z10, Z15 (amateur)	Yes , with the appropriate license class. Normal amateur operation. The two HF Winlink channels in Z9 require a General or higher.
Z11–Z12 (GMRS / FRS)	No — not on ham equipment. GMRS needs a separate GMRS license and a Part 95–certified radio. Programming 462 MHz into a Baofeng and

5 Zone map

Zone	Name	Purpose
Z1	GC PRIMARY	The one zone every member must have. If you program nothing else, program this.
Z2	GC + NEAR	Gloucester County and everything inside ~13 miles — now including the county SKYWARN and OEM machines.
Z3	CAMDEN METRO	Camden County and the eastern fringe.
Z4	SALEM + CUMB	South and west — Salem and Cumberland Counties.
Z5	PA CROSS-RIVER	Philadelphia and Delaware County PA.
Z6	DELAWARE	New Castle County DE, including two hospital repeaters.

Z15	ADDED 1284.400 W2MMD Sewell — the club 23cm repeater, absent from v0.1
-----	---

Channel count moved from 205 to 208. Zone count is unchanged at 15.

	keying it is two violations at once. The \$35 GMRS license covers your whole family.
Z13 (interop / JEMS)	No. Part 90 channels. The FCC blanket authorization runs to Part 90 public-safety licensees, not to hams. The lawful path is written designation as a unit of the served agency’s system (§ 90.421) or a § 90.179 sharing agreement, using the agency’s radios. Monitoring is always legal.
Z14 — NOAA WX	Receive only, for everyone. Federal NWS transmitters.
Z14 — MURS	Transmit is license-free but only on a MURS-certified radio. NIFOG is explicit that MURS frequencies are not authorized for transmit in Part 90 certified equipment, and the same logic excludes Part 97 gear.

On § 97.403 — the “any means at its disposal” emergency provision. It requires *immediate* safety of life or property **and** that normal communication systems are not available. It does not cover drills, exercises, nets, check-ins, or convenience. Planning to rely on it is not a communications plan; it is an after-the-fact legal defense. If the club wants VCALL/VTAC access for real, the route is a written § 90.421 designation from a served agency — one more concrete reason the certification and credentialing work comes first.

Recommended build: program Z13 and Z14 as **receive-only**. Many radios allow this per channel. Do it — it designs out the accident.

Z7	DISTANT / MUTUAL	Beyond 25 miles — where you deploy <i>to</i> .
Z8	SIMPLEX / TACTICAL	Works when nothing else does.
Z9	DIGITAL / WINLINK	RMS gateways, HF Winlink and APRS.
Z10	DMR	Color codes here; talkgroups in the code plug.
Z11	GMRS REPEATERS	Separate license and radio.
Z12	GMRS/FRS	The “ham next door” channels.
Z13	MONITOR: INTEROP	Receive only.
Z14	MONITOR: WX /	Receive only (MURS: separate radio to transmit).
Z15	OTHER BANDS	6m / 33cm / 23cm — optional.

The local / distant split falls at Z6/Z7. Everything in Z1–Z6 is inside the 25-mile circle and should be workable from home or from a vehicle in the county. Z7 is explicitly the “don’t expect to hit this from your driveway” zone — it exists because members may deploy out of area while local hams are tied up with their own families, which was the Sandy lesson from the meeting.

6 Why certain channels sit where they do

Z1 is the go-kit zone. All three club repeaters, the county ARES simplex, all three band calling frequencies, both local Winlink gateways, APRS, the South Jersey Traffic Net, Camden County’s ARES primary as the nearest out-of-county fallback, and the two NOAA transmitters that actually cover Gloucester County. Sixteen channels — and a member who has only this zone is genuinely useful.

Gloucester’s own SKYWARN and OEM machines are now in Z2. W2FHO on 449.975 in Mantua and W2RM on 146.475 in Franklinville were both missing from v0.1. Neither is

the club’s, both are in-county, and one of them is the county’s SKYWARN repeater — an odd thing to leave out of a document the SKYWARN net crowd will read.

County ARES primaries are duplicated deliberately. Each appears in its own geographic zone *and* the ones you are most likely to need appear in Z1 or Z7. Duplication costs nothing and saves zone-hunting under stress.

Hospital-sited repeaters are flagged in the notes — Mercy Fitzgerald in Darby (three of them), ChristianaCare in Wilmington and Newark. Knowing which regional machines already live on hospital roofs is worth having in front of the group.

County EOC repeaters are flagged too — Salem County’s 146.625 is at the Woodstown EOC, Atlantic County’s 146.745 is at theirs. Both are examples of what Gloucester County had and lost.

GMRS gets two zones, not one. Z11 is repeaters, most requiring a tone you can only get by logging into myGMRS. Z12 is simplex and FRS — and Z12 is really the *ham-next-door* zone. If the concept is handing a neighbor a radio so they can reach you, FRS 1–7 is the realistic channel set, because that is what people already own in a kitchen drawer.

Zone tables

208 channels across 15 zones. Every zone is capped at 16 channels. Notes carry status warnings, net schedules and site information — read them.

Z1 - GC PRIMARY

The one zone every member must have. Gloucester County core + calling + digital.

#	Name	Output	Dup	Offset	TX Tone	RX Tone	Mode	Callsign	Location	Mi	Notes
1	GCARC2M	147.180	+	0.600	131.8	131.8	FM	W2MMD	Pitman	4	County ARES primary; Skywarn 1930 / ARES net 2000 Sun
2	GCARC70	442.100	+	5.000	131.8	131.8	FM	W2MMD	Pitman	4	Club 70cm; FM + Fusion
3	GCARC22	224.660	–	1.600	131.8	131.8	FM	W2MMD	Sewell	7	Club 1.25m
4	GCSMPX	146.535	S	–	–	–	FM	—	Simplex	—	Gloucester County ARES tactical simplex — also Burlington TAC4
5	2MCALL	146.520	S	–	–	–	FM	—	Simplex	—	National 2m calling / Wilderness Protocol primary
6	70CALL	446.000	S	–	–	–	FM	—	Simplex	—	National 70cm simplex
7	220CAL	223.500	S	–	–	–	FM	—	Simplex	—	1.25m simplex calling
8	APRS	144.390	S	–	–	–	FM	—	Simplex	—	North American APRS - path WIDE1-1,WIDE2-1
9	WLVHF	145.030	S	–	–	–	FM	W2MMD-3	Pitman	4	Winlink RMS packet + VARA FM
10	WL220	223.580	S	–	–	–	FM	W2MMD-4	Pitman	4	Winlink VARA FM + packet
11	WLSNJ	145.010	S	–	–	–	FM	various	SNJ	—	SNJ section Winlink RMS channel
12	SJTRAF	147.345	+	0.600	127.3	127.3	FM	WA3BXW	Waterford Wks	20	South Jersey Traffic Net daily 2000; SNJ Traffic Net
13	NJOEM	147.570	S	–	–	–	FM	—	Simplex	—	NJ OEM-144 SNJ monitor simplex
14	CAMARE	146.895	–	0.600	91.5	91.5	FM	K2EOC	Voorhees	16	Camden County ARES primary; NJ VHF Net 1930
15	WXPHL	162.475	RX	–	–	–	FM	KIH28	Philadelphia	—	RX ONLY - NOAA, primary for Gloucester Co
16	WXACY	162.400	RX	–	–	–	FM	KHB38	Atlantic City	—	RX ONLY - NOAA secondary

Z2 - GC + NEAR

Gloucester County and everything inside ~13 miles. First fallback zone.

#	Name	Output	Dup	Offset	TX Tone	RX Tone	Mode	Callsign	Location	Mi	Notes
1	W2MMD1	147.180	+	0.600	131.8	131.8	FM	W2MMD	Pitman	4	Repeat of Z1 for zone independence
2	W2MMD4	442.100	+	5.000	131.8	131.8	FM	W2MMD	Pitman	4	
3	W2MMD2	224.660	–	1.600	131.8	131.8	FM	W2MMD	Sewell	7	
4	GCSKYW	449.975	–	5.000	131.8	131.8	FM	W2FHO	Mantua	5	Gloucester County SKYWARN repeater
5	GC0EM	146.475	+	0.600	162.2	–	FM	W2RM	Franklinville	10	Gloucester County OEM repeater
6	WC2K	145.390	–	0.600	91.5	91.5	FM	WC2K	Monroe Twp	12	
7	KC2DUX	147.120	+	0.600	123.0	123.0	FM	KC2DUX	Woodbury	9	LISTED OFFLINE on RepeaterBook - verify
8	SALARE	146.625	–	0.600	131.8	131.8	FM	N2KEJ	Woodstown EOC	8	Salem County ARES primary - at the county EOC
9	K2UK2M	146.865	–	0.600	131.8	–	FM	K2UK	Pine Hill	12	SJRA / CCAPRA; Fusion nets Thu 2000
10	K2UK70	442.350	+	5.000	131.8	–	FM	K2UK	Pine Hill	12	
11	RUNNMD	147.225	+	0.600	192.8	192.8	FM	WA2WUN	Runnemede	12	
12	NJ2GC	447.775	–	5.000	146.2	–	FM	NJ2GC	Gloucester City	13	
13	LINDEN	145.150	–	0.600	91.5	91.5	FM	K2AX	Winslow	19	
14	GCSMPX	146.535	S	–	–	–	FM	—	Simplex	—	GC ARES tactical simplex — also Burlington TAC4
15	2MCALL	146.520	S	–	–	–	FM	—	Simplex	—	

Z3 - CAMDEN METRO

Camden County and the eastern metro fringe, ~12-20 mi.

#	Name	Output	Dup	Offset	TX Tone	RX Tone	Mode	Callsign	Location	Mi	Notes
1	CAMARE	146.895	–	0.600	91.5	91.5	FM	K2EOC	Voorhees	16	Camden County ARES primary
2	CAMSEC	442.150	+	5.000	156.7	–	FM	N2KDV	Camden	15	Camden County ARES secondary per Section EOP — multimode (FM / P25)
3	SJTRAF	147.345	+	0.600	127.3	127.3	FM	WA3BXW	Waterford Wks	20	South Jersey Traffic Net
4	PINEHL	146.865	–	0.600	131.8	–	FM	K2UK	Pine Hill	12	
5	RUNNMD	147.225	+	0.600	192.8	192.8	FM	WA2WUN	Runnemede	12	
6	CHERRY	145.370	–	0.600	91.5	91.5	FM	NJ2CH	Cherry Hill	18	
7	WINSLW	145.150	–	0.600	91.5	91.5	FM	K2AX	Winslow	19	
8	W2FLY	145.210	–	0.600	D174	D174	FM	W2FLY	Waterford Wks	20	DCS D174 - not CTCSS
9	N3KZ2M	145.430	–	0.600	79.7	–	FM	N3KZ	Waterford Wks	20	
10	W2MX22	224.620	–	1.600	–	–	FM	W2MX	Waterford Wks	20	No tone published - try carrier squelch
11	KA2PFL	442.300	+	5.000	131.8	131.8	FM	KA2PFL	Waterford Wks	20	
12	N3KZ70	442.700	+	5.000	131.8	131.8	FM	N3KZ	Waterford Wks	20	
13	K2UK70	442.350	+	5.000	131.8	–	FM	K2UK	Pine Hill	12	
14	WB3EHB	444.300	+	5.000	131.8	–	FM	WB3EHB	Camden	15	
15	K3RJC	444.900	+	5.000	131.8	131.8	FM	K3RJC	Cherry Hill	18	
16	NJ2GC	447.775	–	5.000	146.2	–	FM	NJ2GC	Gloucester City	13	

Z4 - SALEM + CUMB

South and west - Salem and Cumberland Counties, ~7-24 mi.

#	Name	Output	Dup	Offset	TX Tone	RX Tone	Mode	Callsign	Location	Mi	Notes
1	SALARE	146.625	–	0.600	131.8	131.8	FM	N2KEJ	Woodstown EOC	8	Salem County ARES primary - county EOC; generator backup
2	CUMARE	147.255	+	0.600	179.9	–	FM	KC2TXB	Rosenhayn	16	Cumberland County ARES primary. CALLSIGN/LOCATION UNRESOLVED — Section EOP says KC2TXB/Bridgeton, SNJ online listing says KC2TXR/Vineland. Frequency, split and tone agree across all sources.
3	VINELD	145.490	–	0.600	179.9	–	FM	WA2WUN	Vineland	19	
4	SALEM22	224.460	–	1.600	74.4	74.4	FM	N2KEJ	Salem	17	
5	MILLVL	223.960	–	1.600	179.9	–	FM	KC2WJE	Millville	24	Status unknown on RepeaterBook
6	BRIDGE	447.275	–	5.000	131.8	131.8	FM	N2YIR	Bridgeton	20	
7	GREENW	443.700	+	5.000	131.8	131.8	FM	N3KZ	Greenwich	24	
8	K2G0D	446.625	–	5.000	94.8	–	FM	K2G0D	Vineland	19	FM NORMALLY OFF - enabled during emergencies only
9	W2SCR	449.625	–	5.000	123.0	–	FM	W2SCR	Millville	24	Status unknown on RepeaterBook
10	SALSMP	147.555	S	–	–	–	FM	—	Simplex	—	Salem County ARES tactical simplex
11	CUMSMP	147.540	S	–	–	–	FM	—	Simplex	—	Cumberland County ARES tactical simplex
12	CAMSMP	146.560	S	–	–	–	FM	—	Simplex	—	Camden / Atlantic tactical simplex — Section EOP says 146.565; verify
13	GCSMPX	146.535	S	–	–	–	FM	—	Simplex	—	Gloucester tactical simplex — also Burlington TAC4
14	WLCUMB	145.070	S	–	–	–	FM	KC2TXR-10	Vineland	19	Winlink packet digipeater — KC2TXB-10 or KC2TXR-10, see Cumberland callsign conflict
15	2MCALL	146.520	S	–	–	–	FM	—	Simplex	—	
16	WXACY	162.400	RX	–	–	–	FM	KHB38	Atlantic City	—	RX ONLY

Z5 - PA CROSS-RIVER

Philadelphia and Delaware County PA, ~12-22 mi. The mutual-aid direction the club has never used.

#	Name	Output	Dup	Offset	TX Tone	RX Tone	Mode	Callsign	Location	Mi	Notes
1	PHLARE	147.030	+	0.600	91.5	91.5	FM	W3QV	Philadelphia	16	Philadelphia County ARES net Sun 2000; Phil-Mont
2	DELCO	446.775	-	5.000	88.5	88.5	FM	W3KG	Boothwyn	15	Delaware County PA ARES net Mon 1930 'Delco Romeo One'
3	MEDIA	146.940	-	0.600	131.8	131.8	FM	W3KG	Media Fair Acres	17	NOTE: W3AEC Media also on 146.940/131.8 - verify
4	DARBY	147.360	+	0.600	131.8	131.8	FM	WB3JOE	Darby	14	Mercy Fitzgerald Hospital site
5	NEWTWN	147.060	+	0.600	131.8	131.8	FM	WB3JOE	Newtown Sq	21	
6	W3DI2M	147.195	+	0.600	100.0	-	FM	W3DI	Newtown Sq	21	
7	WM3PEN	146.685	-	0.600	146.2	146.2	FM	WM3PEN	Philadelphia UPenn	16	
8	KD3WT	145.410	-	0.600	127.3	-	FM	KD3WT	Philadelphia	16	
9	CHESTR	224.700	-	1.600	131.8	131.8	FM	KM3W	Chester	12	
10	B00THS	223.940	-	1.600	88.5	-	FM	W3KG	Booths Corner	15	
11	DARB22	224.500	-	1.600	131.8	131.8	FM	WB3JOE	Darby	14	Mercy Fitzgerald Hospital site
12	KM3W70	444.700	+	5.000	131.8	131.8	FM	KM3W	Chester	12	
13	DARB70	444.050	+	5.000	131.8	131.8	FM	WB3JOE	Darby	14	Mercy Fitzgerald Hospital site
14	W3DI70	442.250	+	5.000	131.8	131.8	FM	W3DI	Newtown Sq	21	
15	N3KZPH	442.400	+	5.000	131.8	131.8	FM	N3KZ	Philadelphia	16	
16	KD3W70	446.875	-	5.000	131.8	131.8	FM	KD3WT	Philadelphia	16	

Z6 - DELAWARE

New Castle County DE, ~14-22 mi. Includes two ChristianaCare hospital repeaters.

#	Name	Output	Dup	Offset	TX Tone	RX Tone	Mode	Callsign	Location	Mi	Notes
1	W3CER	444.400	+	5.000	100.0	100.0	FM	W3CER	Wilmington	18	ChristianaCare hospital system
2	W3DRA1	146.955	-	0.600	131.8	131.8	FM	W3DRA	Wilmington	18	Delaware Repeater Assn
3	W3DRA2	146.730	-	0.600	131.8	131.8	FM	W3DRA	Wilmington	18	
4	W3DR22	224.520	-	1.600	131.8	-	FM	W3DRA	Wilmington	18	
5	KA3WOW	224.400	-	1.600	131.8	-	FM	KA3WOW	New Castle	19	RX carrier squelch
6	N3KZDE	442.000	+	5.000	131.8	131.8	FM	N3KZ	Wilmington	18	Status unknown on RepeaterBook
7	W3DR70	448.375	-	5.000	131.8	131.8	FM	W3DRA	Wilmington	18	
8	N3JLH	448.825	-	5.000	131.8	131.8	FM	N3JLH	Delaware City	22	
9	W3CER2	444.950	+	5.000	100.0	100.0	FM	W3CER	Newark DE	29	OUT OF 25mi - ChristianaCare Newark campus
10	W3UD	145.310	-	0.600	141.3	141.3	FM	W3UD	Newark DE	29	OUT OF 25mi - Univ of Delaware
11	W3DRA3	146.700	-	0.600	131.8	131.8	FM	W3DRA	Newark DE	29	OUT OF 25mi
12	W3DR49	449.025	-	5.000	131.8	131.8	FM	W3DRA	Newark DE	29	OUT OF 25mi
13	W3CER3	442.500	+	5.000	100.0	100.0	FM	W3CER	Middletown DE	33	OUT OF 25mi - Middletown Emergency
14	2MCALL	146.520	S	-	-	-	FM	—	Simplex	—	
15	70CALL	446.000	S	-	-	-	FM	—	Simplex	—	
16	GCSMPX	146.535	S	-	-	-	FM	—	Simplex	—	

Z7 - DISTANT / MUTUAL Beyond 25 mi. Burlington, Atlantic, Ocean and out-of-area deployment. Program but do not expect to hit from home.

#	Name	Output	Dup	Offset	TX Tone	RX Tone	Mode	Callsign	Location	Mi	Notes
1	BURARE	147.150	+	0.600	127.3	127.3	FM	KC2QVT	Westampton	29	Burlington County ARES primary
2	ATLARE	146.745	-	0.600	146.2	146.2	FM	K2BR	Egg Harbor Twp	40	Atlantic County ARES primary - at county EOC
3	CAPARE	147.240	+	0.600	146.2	146.2	FM	W2CMC	Cape May	45	Cape May County ARES primary — W2CMC/R
4	MERARE	147.105	+	0.600	123.0	123.0	FM	W2MER	West Windsor	45	Mercer County ARES primary — W2MER, West Windsor
5	OCNARE	449.825	-	5.000	131.8	131.8	FM	WA2RES	Toms River	48	Ocean County ARES primary (NORTH1) — WA2RES/R
6	K2AA	145.290	-	0.600	91.5	91.5	FM	K2AA	Medford	24	SJRA; FM nets Mon 2000
7	MTLAUR	223.920	-	1.600	127.3	127.3	FM	KC2QVT	Mount Laurel	23	
8	CINNAM	445.625	-	5.000	127.3	127.3	FM	K2CPD	Cinnaminson	23	
9	MINOTL	146.805	-	0.600	118.8	-	FM	KE2CK	Minotola	19	Atlantic County, in range
10	MIN070	448.125	-	5.000	192.8	-	FM	KE2CK	Minotola	19	Atlantic County, in range
11	HAMMON	444.875	+	5.000	162.2	162.2	FM	N2BDP	Hammonton	22	Atlantic County, in range
12	TABERN	445.331	-	5.000	127.3	127.3	FM	KC2QVT	Tabernacle	28	Burlington Emergency Svcs Bldg
13	WILLBO	146.925	-	0.600	131.8	131.8	FM	WB2YGO	Willingboro	28	
14	W2NJR	445.075	-	5.000	141.3	-	FM	W2NJR	Manahawkin	—	W2NJR linked system - southernmost node, north NJ mutual aid
15	NJOEM2	224.320	-	1.600	67.0	67.0	FM	—	NJ OEM/RACES	—	NJ OEM-220 — 224.320 out / 222.720 in, PL 67.0. CONFIRMED ; the 224.300 figure was an error
16	NJOEM	147.570	S	-	-	-	FM	—	Simplex	—	NJ OEM-144 monitor simplex

Z8 - SIMPLEX / TACTICAL No infrastructure required. This is the zone that works when everything else is down.

#	Name	Output	Dup	Offset	TX Tone	RX Tone	Mode	Callsign	Location	Mi	Notes
1	2MCALL	146.520	S	-	-	-	FM	—	Simplex	—	National calling - Wilderness Protocol monitors :00-:05
2	GCSMPX	146.535	S	-	-	-	FM	—	Simplex	—	Gloucester County ARES tactical — ALSO BURLINGTON TAC4 , see conflicts
3	CAMSMP	146.560	S	-	-	-	FM	—	Simplex	—	Camden / Atlantic tactical — Section EOP says 146.565; verify
4	CUMSMP	147.540	S	-	-	-	FM	—	Simplex	—	Cumberland tactical
5	SALSMP	147.555	S	-	-	-	FM	—	Simplex	—	Salem / Mercer tactical
6	NJOEM	147.570	S	-	-	-	FM	—	Simplex	—	NJ OEM-144 SNJ monitor
7	TAC1	147.495	S	-	-	-	FM	—	Simplex	—	Burlington TAC1
8	TAC2	147.505	S	-	-	-	FM	—	Simplex	—	Burlington TAC2
9	TAC3	147.515	S	-	-	-	FM	—	Simplex	—	Burlington TAC3
10	220CAL	223.500	S	-	-	-	FM	—	Simplex	—	1.25m calling - Wilderness Protocol
11	70CALL	446.000	S	-	-	-	FM	—	Simplex	—	National 70cm simplex
12	446025	446.025	S	-	-	-	FM	—	Simplex	—	70cm tactical
13	446050	446.050	S	-	-	-	FM	—	Simplex	—	70cm tactical
14	445950	445.950	S	-	-	-	FM	—	Simplex	—	70cm tactical
15	445975	445.975	S	-	-	-	FM	—	Simplex	—	70cm tactical
16	APRS	144.390	S	-	-	-	FM	—	Simplex	—	APRS

Z9 - DIGITAL / WINLINK Winlink RMS gateways and APRS. Frequencies only - the mode is set in the software.

#	Name	Output	Dup	Offset	TX Tone	RX Tone	Mode	Callsign	Location	Mi	Notes
1	WLVHF	145.030	S	—	—	—	FM	W2MMD-3	Pitman	4	Packet + VARA FM
2	WL220	223.580	S	—	—	—	FM	W2MMD-4	Pitman	4	VARA FM + packet
3	WLSWED	145.030	S	—	—	—	FM	W2KBF-10	Swedesboro	6	Packet + VARA FM - same freq as W2MMD-3
4	WLSW22	223.580	S	—	—	—	FM	W2KBF-11	Swedesboro	6	VARA FM + packet
5	WLGBOB	145.030	S	—	—	—	FM	KD2LNB-1	Glassboro	5	Packet BBS - GBORO DIGI
6	WLSNJ	145.010	S	—	—	—	FM	various	SNJ region	—	SNJ section Winlink channel - Burlington/Atlantic/Ocean RMS
7	WLCUMB	145.070	S	—	—	—	FM	KC2TXR-10	Vineland	19	Packet WLK digipeater — KC2TXB-10 or KC2TXR-10, see Cumberland callsign conflict
8	WLMERC	145.030	S	—	—	—	FM	W2ZQ-10	West Trenton	—	WLK VARA
9	WLHF1	7.10150	S	—	—	—	USB	W2MMD	Pitman	4	HF RMS — VARA HF. Club gateway; HF radio required
10	WLHF2	7.10150	S	—	—	—	USB	W2KBF	Swedesboro	6	HF RMS — VARA HF
11	APRS	144.390	S	—	—	—	FM	—	Simplex	—	Path WIDE1-1,WIDE2-1 mobile / WIDE2-2 fixed
12	APRSCM	144.390	S	—	—	—	FM	K2EOC	Lindenwold	14	Nearest published digipeater to Gloucester Co
13	APRSBU	144.390	S	—	—	—	FM	KC2QVT-15	Pemberton	25	Nearest digipeater to the north — Burlington County
14	NBEMS	144.390	S	—	—	—	FM	—	Simplex	—	Placeholder - set per exercise

Z10 - DMR

#	Name	Output	Dup	Offset	TX Tone	RX Tone	Mode	Callsign	Location	Mi	Notes
1	DMRGO	440.10625	+	5.000	CC1	—	DMR	KD2LNB	Glassboro	5	CONFIRMED ACTIVE DMR — RadioReference listing is stale. No longer on SCERN. Program TS2 / TG9 as a placeholder pending talkgroup detail
2	DMRWAT	443.300	+	5.000	CC1	—	DMR	WR3IRS	Waterford Wks	20	Interstate 1 Network
3	DMRVIN	446.625	—	5.000	CC1	—	DMR	K2GOD	Vineland	19	Multimode machine
4	DMRPHL	440.650	+	5.000	CC1	—	DMR	WR3IRS	Roxborough PA	22	Interstate 1 Network
5	DMRPH2	145.270	—	0.600	CC2	—	DMR	W3PVI	Philadelphia	16	2m DMR - note color code 2
6	DMRNTS	441.200	+	5.000	CC1	—	DMR	WR3IRS	Newtown Sq PA	21	Interstate 1 Network
7	DMRWIL	448.425	—	5.000	CC1	—	DMR	WR3IRS	Wilmington DE	18	Interstate 1, DMR ID 311001, TS1+TS2
8	DMRWES	448.325	—	5.000	CC1	—	DMR	KC2QVT	Westampton	29	OUT OF 25mi - Burlington County. Section listing shows Tri-State TS2 TG2; color code still unconfirmed

Z11 - GMRS REPEATERS

SEPARATE GMRS LICENSE AND PART 95 RADIO REQUIRED. Not legal to transmit on ham equipment. See licensing notes.

#	Name	Output	Dup	Offset	TX Tone	RX Tone	Mode	Callsign	Location	Mi	Notes
1	GWOODB	462.700	+	5.000	?	?	FM	(myGMRS 3999)	Woodbury Hts	7	OPEN . Tone requires myGMRS login - obtain before programming
2	GBLACK	462.625	+	5.000	?	?	FM	(myGMRS 2273)	Blackwood	10	OPEN . Tone not public
3	GSTRAT	462.700	+	5.000	?	?	FM	WQRL268	Stratford	13	OPEN , ORI system. Tone not public
4	GATCO	462.650	+	5.000	—	—	FM	WSLY275	Atco	18	OPEN . No tone listed. 15mi claimed radius
5	GCAMDN	462.600	+	5.000	?	?	FM	(myGMRS 7397)	Camden	15	OPEN . Tone not public
6	GPHILA	462.725	+	5.000	225.7	225.7	FM	WRAX971	Philadelphia	16	OPEN - S Philly Community Emergency Radio. Record stale 2022
7	GCHEST	462.700	+	5.000	136.5	136.5	FM	WPWN390	Chester PA	12	OPEN - LEARN & RAILS
8	GVINEL	462.725	+	5.000	?	?	FM	(myGMRS 8428)	Vineland	19	OPEN . Tone not public
9	GCLAYM	462.550	+	5.000	—	141.3	FM	WRDU953	Claymont DE	14	CLOSED - permission required. Do not use uninvited

Z12 - GMRS/FRS

GMRS license needed for GMRS channels. FRS 1-7 usable by anyone on an FRS radio. Ham gear may NOT transmit here.

#	Name	Output	Dup	Offset	TX Tone	RX Tone	Mode	Callsign	Location	Mi	Notes
1	G15/462550	462.550	S	—	—	—	FM	—	GMRS main 1 / FRS 15	—	Repeater output 1; simplex allowed on 462 main
2	G16/462575	462.575	S	—	—	—	FM	—	GMRS main 2 / FRS 16	—	
3	G17/462600	462.600	S	—	—	—	FM	—	GMRS main 3 / FRS 17	—	
4	G18/462625	462.625	S	—	—	—	FM	—	GMRS main 4 / FRS 18	—	
5	G19/462650	462.650	S	—	—	—	FM	—	GMRS main 5 / FRS 19	—	
6	G20/462675	462.675	S	—	—	—	FM	—	GMRS main 6 / FRS 20	—	NATIONWIDE TRAVELERS ASSISTANCE. Try 141.3 if tone needed
7	G21/462700	462.700	S	—	—	—	FM	—	GMRS main 7 / FRS 21	—	
8	G22/462725	462.725	S	—	—	—	FM	—	GMRS main 8 / FRS 22	—	
9	F1/462562	462.5625	S	—	—	—	FM	—	FRS 1 / GMRS interstitial	—	5W ERP limit, simplex only, no repeaters
10	F2/462587	462.5875	S	—	—	—	FM	—	FRS 2	—	
11	F3/462612	462.6125	S	—	—	—	FM	—	FRS 3	—	
12	F4/462637	462.6375	S	—	—	—	FM	—	FRS 4	—	
13	F5/462662	462.6625	S	—	—	—	FM	—	FRS 5	—	Common 'neighborhood' channel in many FRS radios
14	F6/462687	462.6875	S	—	—	—	FM	—	FRS 6	—	
15	F7/462712	462.7125	S	—	—	—	FM	—	FRS 7	—	

Z13 - MONITOR: INTEROP

#	Name	Output	Dup	Offset	TX Tone	RX Tone	Mode	Callsign	Location	Mi	Notes
1	VCALL10	155.7525	RX	—	—	156.7	NFM	—	National	—	RX ONLY - VHF calling, 2.5kHz dev narrowband
2	VTAC11	151.1375	RX	—	—	156.7	NFM	—	National	—	RX ONLY
3	VTAC12	154.4525	RX	—	—	156.7	NFM	—	National	—	RX ONLY
4	VTAC13	158.7375	RX	—	—	156.7	NFM	—	National	—	RX ONLY
5	VTAC14	159.4725	RX	—	—	156.7	NFM	—	National	—	RX ONLY
6	UCALL40	453.2125	RX	—	—	156.7	NFM	—	National	—	RX ONLY - UHF calling (rprr out)
7	UTAC41	453.4625	RX	—	—	156.7	NFM	—	National	—	RX ONLY
8	UTAC42	453.7125	RX	—	—	156.7	NFM	—	National	—	RX ONLY
9	UTAC43	453.8625	RX	—	—	156.7	NFM	—	National	—	RX ONLY
10	VFIRE21	154.280	RX	—	—	—	NFM	—	National	—	RX ONLY - fire mutual aid
11	VFIRE22	154.265	RX	—	—	—	NFM	—	National	—	RX ONLY - fire mutual aid
12	VLA31	155.475	RX	—	—	—	NFM	—	National	—	RX ONLY - law enforcement mutual aid
13	VSAR16	155.160	RX	—	—	127.3	NFM	—	National	—	RX ONLY - search and rescue common
14	JEMS2	155.340	RX	—	—	—	NFM	—	New Jersey	—	RX ONLY - BLS ambulance to hospital ED (= VMED28 / legacy HEAR)
15	JEMS3	155.280	RX	—	—	—	NFM	—	New Jersey	—	RX ONLY - statewide EMS coordination
16	JEMS4	153.785	RX	—	—	—	NFM	—	New Jersey	—	RX ONLY - SPEN 4 statewide public safety coordination

Z14 - MONITOR: WX / Weather is receive-only for everyone. MURS is transmit-legal but ONLY on MURS-certified radios - not ham or Part 90 gear.

#	Name	Output	Dup	Offset	TX Tone	RX Tone	Mode	Callsign	Location	Mi	Notes
1	WX1	162.400	RX	—	—	—	FM	KHB38	Atlantic City	—	RX ONLY - serves Atlantic/Burlington/Cape May/Cumberland/Ocean
2	WX2	162.425	RX	—	—	—	FM	WNG704	Hibernia Pk PA	—	RX ONLY
3	WX3	162.450	RX	—	—	—	FM	WXM60	Southard NJ	—	RX ONLY
4	WX4	162.475	RX	—	—	—	FM	KIH28	Philadelphia	—	RX ONLY - PRIMARY for Gloucester County
5	WX5	162.500	RX	—	—	—	FM	KZZ31	Hardyston NJ	—	RX ONLY
6	WX6	162.525	RX	—	—	—	FM	—	—	—	RX ONLY
7	WX7	162.550	RX	—	—	—	FM	WXJ94	Lewes DE	—	RX ONLY
8	MURS1	151.820	RX	—	—	—	NFM	—	—	—	MONITOR on ham gear. TX needs MURS-certified radio, 2W, 11.25kHz
9	MURS2	151.880	RX	—	—	—	NFM	—	—	—	MONITOR on ham gear
10	MURS3	151.940	RX	—	—	—	NFM	—	—	—	MONITOR on ham gear
11	MURS4	154.570	RX	—	—	—	FM	—	—	—	MONITOR - 'BLUE DOT', 20kHz
12	MURS5	154.600	RX	—	—	—	FM	—	—	—	MONITOR - 'GREEN DOT', 20kHz

Z15 - OTHER BANDS

#	Name	Output	Dup	Offset	TX Tone	RX Tone	Mode	Callsign	Location	Mi	Notes
1	N2KEJ6	53.710	–	1.000	74.4	74.4	FM	N2KEJ	Quinton	17	6m - AllStar, EchoLink
2	ND3E6	53.570	–	1.000	131.8	–	FM	ND3E	New Castle DE	19	6m
3	6MCALL	52.525	S	–	–	–	FM	—	Simplex	—	6m FM calling - Wilderness Protocol
4	KC2D33	927.6375	–	25.000	123.0	–	FM	KC2DUX	Deptford	10	33cm - LISTED OFFLINE, verify
5	W3SB33	927.8875	–	25.000	91.5	–	FM	W3SBE	Philadelphia	16	33cm - status unknown
6	GC23CM	1284.400	–	20.000	156.7	–	FM	W2MMD	Sewell	7	Club 23cm machine — not in the Section EOP
7	23CALL	1294.500	S	–	–	–	FM	—	Simplex	—	23cm simplex - Wilderness Protocol

7 Reference — real channels that are not in the code plug

Two sets of frequencies belong in this document but not in any zone, because no radio that carries the zones above can use them. They are here so the information exists in one place.

7.1 SCERN — Southern Counties Emergency Repeater Network

SCERN is a seven-county linked **C4FM** network. Its stated primary mission is passing voice and data in support of the **Southern New Jersey Medical Coordination Center** and its served facilities; it was created by the SNJMCC with support from the county OEMs.

It was excluded from the zone tables by the group's FM-and-DMR filter, and that decision stands for the code plug — a Baofeng cannot use it. But given where the club's served-agency work is actually heading, a hospital-mission network is not something to leave

undocumented. **Both W2MMD VHF and UHF machines are already Fusion-capable**, so the club has the mode in hand if it ever wants to participate.

The Gloucester node is the machine on 440.10625 in Glassboro — which, as of this revision, **is no longer on SCERN** and is running DMR. That leaves Gloucester County without a SCERN presence, which is worth a conversation before the Inspira and Cooper work goes much further.

County	Receive	Transmit	Station
Atlantic	445.16875	440.16875	KC2VAC — Stillwater
Burlington	445.33125	440.33125	KC2QVT/R — Mount Laurel
Camden	440.24375	445.24375	K2EOC/R — Lindenwold. Callsign disputed — EOP says KC2EOC, online listing says KD2EOC
Cape May	440.09375	445.09375	—
Cumberland	445.31875	440.31875	KC2TXR/R
Gloucester	440.10625	445.10625	KD2LNB/R — NO LONGER ON SCERN. Now DMR; see Z10
Ocean	446.9750	441.9750	WA2RES/R — Harvey Cedars
Salem	445.03125	440.03125	N2SRQ/R

7.2 HF — Section and county channels

None of this goes in a VHF/UHF code plug, but members with HF capability should have it, and the Winlink HF gateways in Z9 are the club's own. Gloucester County has no published HF net; the Section channels are the path.

Function	Frequency	Mode	Notes
Gloucester ARES tactical	28.465	USB	County HF tactical simplex
SNJ Section voice, 80 m	3.9700	LSB	Shared with Northern NJ Section
SNJ Section digital, 80 m	3.58535	USB	—
SNJ Section digital, 40 m	7.0640	USB	—
NJ RACES	3.9870	LSB	Primary
NJ RACES	3.9930	LSB	Alternate

Winlink RMS (club)	7.10150	VARA HF	W2MMD Pitman and W2KBF Swedesboro — also listed in Z9
MA-ARESMAT	7.1050	VARA	Inter-Section traffic
Burlington command	3.9905 / 3.9965	LSB	80 m primary / alternate
Burlington command	7.2300 / 7.2640	LSB	40 m primary / alternate
Cape May	28.475 / 7.2150	USB / LSB	County HF

WORTH NOTING

The Section Emergency Coordinator checks the Section Winlink address at the top and bottom of every hour during an activation. That is a real, testable path into the Section from a club station, and it needs no HF at all — 145.010 in Z9 reaches it. It is the single easiest thing on this page to exercise.

8 Verification list — work this off before the plan goes anywhere

Nothing below is a defect in the sources; it is the normal state of aggregated repeater data. But every one of these needs a human with a radio. Four items from v0.1 are now closed; four new ones are open.

8.1 Resolved since v0.1

#	Item	Resolution
1	NJ OEM-220	Use 224.320 out / 222.720 in, PL 67.0. The Section EOP gives this figure and its Mercer County entry independently agrees. The 224.300 value in the online listing is an error. No longer flagged in Z7.
2	KD2LNB 440.10625 Glassboro	Confirmed active and running DMR. The RadioReference record is stale. The machine is no longer part of SCERN, which the online listing had already hinted at. Z10 now carries TS2 / TG9 as a placeholder pending real talkgroup detail.
3	Cape May, Mercer and Ocean ARES tones	All three found in the Section EOP: Cape May 147.240 = 146.2, Mercer 147.105 = 123.0 (W2MER, West Windsor), Ocean 449.825 = 131.8 (WA2RES/R, Toms River — their NORTH1). Z7 updated; the “verify tone” flags are gone.
4	Missing Gloucester County machines	Found and added. 449.975 W2FHO Mantua (county SKYWARN), 146.475 W2RM Franklinville (county OEM) and the club’s own 1284.400 in Sewell were all absent from v0.1.

8.2 Still open — carried forward from v0.1

#	Item	Issue
5	W2MMD 147.180 offset	The club’s own “Area Nets” page shows a – offset; the club’s repeater page and the Section table both show +0.6 . Plus is correct — but fix the website, because members are programming from it.
6	146.940 in Media PA	RepeaterBook lists two repeaters on 146.940 –, PL 131.8, both in Media — W3KG (Fair Acres) and W3AEC. Likely one machine double-listed, or a co-channel pair. Needs a human.
7	Burlington 448.325 DMR	Search view shows “CC1 127.3”; the detail record shows only Color Code 1. The Section listing adds Tri-State TS2 TG2. The 127.3 remains unconfirmed.

8.3 New conflicts raised by the Section EOP merge

#	Item	Issue
8	Cumberland 147.255 — callsign and location	Three sources, three answers. Section EOP: KC2TXB, Bridgeton . SNJ online listing: KC2TXR, Vineland . RepeaterBook: Rosenhayn . Frequency, split and tone (+600, 179.9) agree everywhere. The same ambiguity hits the Cumberland Winlink gateway on 145.070 (KC2TXB-10 vs KC2TXR-10). Ask the Cumberland EC — this is one phone call.
9	Camden simplex — 146.560 or 146.565	Section EOP says 146.565 ; the online listing says 146.560 . One digit, entirely different channel. Appears in Z4 and Z8.
10	Camden SCERN 440.24375 callsign	EOP says KC2EOC/R. Camden’s primary machine is K2EOC and the online listing shows KD2EOC. Probably a transcription error in the appendix, but it is in the hospital-mission network, so confirm it.
11	146.535 is assigned twice	Operational, not clerical. 146.535 is Gloucester’s ARES tactical simplex <i>and</i> Burlington’s TAC4. In any event that activates both counties, two groups are on one channel for two purposes. Worth raising at Section level, and worth remembering before assuming a quiet channel is free. Now noted on every row where 146.535 appears.

8.4 Listed as offline or unknown — confirm or drop

Channel	Callsign	Status	Channel	Callsign	Status
147.120 Woodbury	KC2DUX	Flagged offline	223.960 Millville	KC2WJE	Status unknown
927.6375 Deptford	KC2DUX	Flagged offline	449.625 Millville	W2SCR	Status unknown
442.000 Wilmington	N3KZ	Status unknown	927.8875 Philadelphia	W3SBE	Status unknown

8.5 Missing data to chase

- **GMRS tones.** Five of the nine in-range GMRS repeaters publish no tone publicly — myGMRS requires a free account to see them. Somebody needs to create one and fill in Woodbury Heights, Blackwood, Stratford, Camden and Vineland. The Philadelphia record (WRAX971) was last updated in 2022 and should be treated as stale.
- **Winlink gateway liveness.** The RMS list here comes from the Section and online listings, not from winlink.org's live database. Run a channel update in Winlink Express and reconcile — including the two HF gateways now in Z9.
- **APRS in Gloucester County.** Still no published digipeater in the county. v0.2 now lists both neighbors — K2EOC in Lindenwold to the east and KC2QVT-15 in Pemberton to the north. Either that gap is a data error or it is a real coverage hole, and either answer is useful. **This is a good candidate for a club project.**
- **Gloucester's SCERN seat.** With KD2LNB off the network, the county has no SCERN node. Find out whether that was deliberate, and what it means for the hospital work.

8.6 Known limitations of this draft

- Distances are straight-line from published site coordinates. They say nothing about terrain, ERP, antenna height or actual coverage. **The only real test is a drive test.**
- Repeater were filtered to **FM and DMR** per the group's decision. Fusion-only, D-Star-only, NXDN, P25 and ATV machines were excluded — including several that are close by. Section 7.1 now documents the SCERN C4FM network anyway, because of its hospital mission. If the group later wants Fusion, the W2MMD 2 m and 70 cm machines are already Fusion-capable and the list can be extended.
- **SHARES frequencies are deliberately absent.** They are controlled information and do not belong in a document that may circulate. Cooper and Red Cross hold SHARES licenses; get the channel list through them.
- Tones shown as “—” mean the source published nothing, not that carrier squelch is confirmed correct.
- The HF table in 7.2 has not been cross-checked against a second source the way the VHF/UHF data has. Treat it as a starting point.

9 Suggested next steps

1. **Circulate this draft to the working group only.** Ask for corrections against the verification list above, not general reactions.
2. **Make the four new conflicts three phone calls.** Items 8, 9 and 10 are all answerable by the relevant county EC. Item 11 goes to the Section.
3. **Assign the drive test.** Split the list geographically and have two or three members confirm what actually works from Gloucester County. This is itself a good excuse for a Saturday.
4. **Freeze v1.0** once the conflicts are resolved, then build the code plugs.
5. **Publish the zone order, not just the frequencies.** The zone order is the interoperability; the frequencies are just data.
6. **Fix the club website's 147.180 offset** before anything else. It is the one error on this page that is actively putting wrong data into members' radios today.
7. **Treat it as a living document.** Put it in the club wiki or the Discord EmComm channel with a version number and a changelog, and re-verify at a set interval.
8. **Then, and only then,** offer it to other South Jersey clubs — that is the “center of excellence” play, and it only works if the club's own house is in order first.

10 Sources

Amateur repeater data: RepeaterBook — Gloucester, Camden, Salem, Cumberland, Burlington and Atlantic Counties NJ; Philadelphia and Delaware Counties PA; New Castle County DE. **Club:** gloucestercountyarcs.weebly.com — W2MMD Repeater System, Area VHF/UHF Nets, Clubhouse Operations. **Section:** snj.arrl.org — SNJ ARES Frequency Listing; **SNJ Section Emergency Operations Plan, Appendix G, rev. 4 August 2023;** Traffic Nets. **Regional:** phlares.org, delcoares.org, sjra.club, w2njr.net. **GMRS:** RepeaterBook GMRS, myGMRS.com, 47 CFR § 95.1763 and § 95.563 (eCFR). **Interop / public safety:** NIFOG 2.02 (CISA), 47 CFR § 90.20, 47 CFR Part 95 Subpart J (MURS), NJ EMS Communication Plan (JEMS). **Weather:** NWS NOAA Weather Radio station database. **APRS:** aprs.org New-N Paradigm. **Direct confirmation:** club report on KD2LNB Glassboro DMR status, September 2026.

v0.2 compiled 28 September 2026 · supersedes v0.1 of 16 August 2026 · 208 channels across 15 zones · Data current as of retrieval date — repeater data ages fast.