

THE PACKET RADIO RF FORWARDING NETWORK

Dedicated RF Backbone & Inter-System Digital Network • <http://tprfn.net>

MONTHLY REPORT

August 2026 (Complete Month)

The network performance metrics and analytics for the complete month of **August 2026** from **tprfn.net** reflect significant traffic growth (+17.3% connections), resilient link quality (-5.1 dB avg S/N), and an expanded 22-hub backbone with 50% achieving 100% full-month stability.

AUGUST 2026 NETWORK ANALYTICS

NETWORK METRIC	AUGUST 2026 TOTAL	VS JULY 2026
Total Hub Stations	22 Hubs (11/22 100% Stable)	▲ +1 Hub Added
Total Connections	16,617 (359 Unique Stations)	▲ 17.3% Increase
Total Data Transferred	11.5 MB (TX: 6.5 MB / RX: 5.0 MB)	▼ 16.5%
Average Signal-to-Noise Ratio (S/N)	-5.1 dB	▲ 7.3% Improvement

MULTI-MODE DIGITAL INTEGRATION

Cross-Mode Gateway Enhancements

Winlink <-> BBS Routing: Full bidirectional routing bridging Winlink users directly into the RF packet BBS forwarding stream and vice versa.

VarAC <-> BBS Routing (In Beta): Newly added bidirectional gateway routing enabling VarAC operators to pass traffic directly to and from the BBS network.

Continuous Core Services Supported

- **Packet Node & BBS:** VARA HF, VARA FM, AX.25, NET/ROM, and compatible stacks.
- **Winlink RMS Gateways:** Packet & VARA modes.
- **APRS:** I-Gate services.
- **VarAC:** VMail Relay.

Additional Access Ports: **AREDN** **44Net (AMPRNet)**

Welcome W7EES — Newest Hub Station

A warm welcome to **W7EES** (Hillsboro, Oregon) as the network's newest Hub Station, strengthening our Pacific Northwest footprint and multi-mode forwarding coverage!

OPERATIONAL TAKEAWAYS (VARA HF)

- **Strong S/N Margin:** Average S/N improved by +7.3% to **-5.1 dB** (vs -5.5 dB in July), showing exceptional link quality across active forwarding paths.
- **Connection Surge:** **16,617 successful connections** (+17.3%) logged across **359 unique stations**, moving **11.5 MB** of payload traffic.
- **Hub Reliability:** **11 of 22 hubs** maintained 100% daily recorded activity, providing solid nationwide continuity.

Emergency Readiness & Collaboration

TPRFN stands ready to support portable field connections during storms, severe weather events, and commercial power or internet outages.

Even if your linked BBS is not formally part of the TPRFN network, our infrastructure has grown to a point where inter-system routing is fully integrated and mutually beneficial for the entire amateur packet radio community.

Join the Network — Become a Hub Station

We invite sysops interested in establishing a Hub Station or linking into TPRFN to contact our network team:

<https://www.tprfn.net/contact-us>

Thank you to all Hub Operators and Sysops for your dedication to keeping the RF digital backbone active and reliable!

TPRFN HUB STATION DIRECTORY & STABILITY

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HUB PERFORMANCE

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Hub Stability Definition: "Stable" (100%) indicates at least one successful connection recorded every day of August (31/31 days). This reflects recorded network activity rather than an isolated ping check; low-traffic hubs can show gaps even if operating normally.

22

TOTAL HUBS

11

100% STABLE (31/31 DAYS)

4

96.8% ACTIVE (30/31 DAYS)

359

UNIQUE STATIONS SERVED

HUB STATION ROSTER & OPERATIONAL UPTIME (AUGUST 2026)

HUB CALLSIGN	LOCATION / REGION	DAYS ACTIVE	MONTHLY UPTIME
K5DAT -1	Shawano, WI	31 / 31	100% STABLE
K7EK	Kentucky	31 / 31	100% STABLE
KA0PND -1	Cascade, IA	31 / 31	100% STABLE
KA3VSP -1	New Castle, DE	31 / 31	100% STABLE
KD6MTU -1	Carson City, Nevada	31 / 31	100% STABLE
KN4LQN -2	Chesterfield, VA	31 / 31	100% STABLE
N3MEL -2	Downingtown, PA	31 / 31	100% STABLE
N4SD -11	Virginia	31 / 31	100% STABLE
W1DTX -4	Sullivan, Maine	31 / 31	100% STABLE
WC9P	Location Unknown	31 / 31	100% STABLE
WW6Q -1	Indiana	31 / 31	100% STABLE
AA5AF -1	Texas	30 / 31	96.8%
K1AJD -7	Augusta, GA	30 / 31	96.8%
KD4WLE -3	Location Unknown	30 / 31	96.8%
N4SFL -1	Boca Raton, FL	30 / 31	96.8%
VA2RIZ -1	Saint-Didace, QC	27 / 31	87.1%
W7BMH -1	Eugene, Oregon	27 / 31	87.1%
KK4DIV -1	Florida	25 / 31	80.6%
N5MDT -4	Texas	15 / 31	48.4%
W7EES	Hillsboro, OR (New Hub)	2 / 31	6.5%
N3HYM -5	Frederick, Maryland	0 / 31	0.0%
VA20PS -11	Montreal, QC	0 / 31	0.0%

Hub uptime metrics are calculated based on recorded daily connection events through tprfn.net.