

**North American Numbering Council (NANC)
Meeting Minutes
Monday, August 15, 2022**

Hon. Karen Charles Peterson, Chairwoman
Bridget Alexander White, Vice Chairwoman
Christi Shewman, Designated Federal Officer

Contact: NANC@fcc.gov

Contents:

- NANC Councilmember Attendance Record
- Meeting Agenda with Final Vote Record
- Meeting Presentations and Reports

A recording of the full meeting is available at <https://www.fcc.gov/about-fcc/advisory-committees/general/north-american-numbering-council>.

Federal Communications Commission

NANC Councilmember Meeting Attendance – 2022

In attendance yes/no:

Councilmember – Organization/Representative	Feb 09	June 14	Aug. 15	
Chairwoman – NARUC – Massachusetts Dept. of Cable and Telecommunications • Commissioner Karen Charles Peterson	Y	Y	Y	
Vice Chairwoman – USConnect – JSI • Bridget Alexander White	Y	Y	Y	
10x People, LLC • Lisa Marie Maxson	Y	Y	Y	
800 Response Information Services, LLC • Heather Barrows	Y	N	Y	
ACA Connects – America’s Communications Association • Michael Jacobs • Brian Hurley (Alt)	Y	Y	Y	
Ad Hoc Telecommunications Users Committee • Susan Gately	Y	Y	Y	
Alliance for Telecommunications Industry Solutions (ATIS) • Jackie Wohlgemuth • Thomas Goode (Alt)	Y	Y	Y	
AT&T Inc. • Dr. Ola Oyefusi • George Guerra (Alt)	Y	Y	Y	
Bandwidth • Greg Rogers • Lisa Jill Freeman (Alt)	Y	Y	Y	
Charter Communications • Betty Sanders • Glenn Clepper (Alt)	Y	Y	N	
Comcast Corporation • Beth Choroser • Beth O’Donnell	Y	Y	Y	
Competitive Carriers Association (CCA) • Alexi Maltas • Alexandra May	Y	N	Y	
CTIA – The Wireless Association • Amy Bender • Sarah Leggin (Alt)	Y	Y	Y	
Electronic Privacy Information Center (EPIC) • Mr. Chris Frascella	N/A	Y	Y	
Google LLC • Craig Lennon	N	N	Y	
INCOMPAS • Chris Shipley	Y	Y	Y	

Federal Communications Commission

Councilmember – Organization/Representative	Feb 09	June 14	Aug. 15	
Inteliquent • Bryan Bethea	Y	N	N	
Lumen • Phil Linse	Y	Y	Y	
Maine Public Utilities Commission • Chairman Philip L. Bartlett, II	Y	Y	Y	
National Association of Attorneys General (NAAG) • Ms. Tracy Nayer • David A.F. McCoy (alt)	N/A	Y	Y	
National Association of State Utility Consumer Advocates – NASUCA • Robert B. Nelson	Y	Y	Y	
Nevada Public Utilities Commission • Commissioner Tammy Cordova	Y	Y	Y	
NTCA – The Rural Broadband Association • Brian Ford • Tamber Ray (Alt)	Y	Y	Y	
Peerless Network, Inc. • Julie Oost • Patrick Phipps (Alt)	Y	N	Y	
Public Service Commission of District of Columbia • Lara Howley Walt	Y	Y	Y	
SIP Forum • Rich Shockey	Y	Y	Y	
T-Mobile USA, Inc. • Rosemary Leist • Scott Freiermuth (Alt)	N	Y	Y	
TDS Telecommunications LLC • Paul Nejedlo	Y	Y	Y	
Telnyx • David Casem • Sarah Halko (Alt)	Y	Y	Y	
Twilio Inc. • Rebecca Murphy Thompson • Allyson Blevins (Alt)	Y	Y	Y	
USTelecom • John Bercu	Y	Y	Y	
Verizon • Dana Crandall	Y	Y	Y	
Vonage • Colin Brown	Y	Y	N	
West Virginia Public Service Commission • Ms. Terri Blake	N/A	Y	Y	
Special Members (Non-Voting)				

Federal Communications Commission

Councilmember – Organization/Representative	Feb 09	June 14	Aug. 15	
iconectiv LLC <ul style="list-style-type: none">• Chris Drake• Cathy McMahon (Alt)	Y	Y	Y	
Somos, Inc. <ul style="list-style-type: none">• Joel Bernstein• Florence Weber (Alt)	Y	Y	Y	

A recording of the full meeting, including roll call, is available at <https://www.fcc.gov/about-fcc/advisory-committees/general/north-american-numbering-council>.

**North American Numbering Council (NANC) Meeting
Monday, August 15, 2022
Microsoft Teams/ Conference Call**

FINAL VOTE RECORD

A recording of the full meeting is available at
<https://www.fcc.gov/about-fcc/advisory-committees/general/north-american-numbering-council>.

Call to Order

Christi Shewman, NANC Designated Federal Officer (DFO)
[Vote: Not Applicable]

Welcome and Opening Remarks

Honorable Karen Charles Peterson, NANC Chairwoman
[Vote: Not Applicable]

Roll Call, Announcements, and Recent News

Christi Shewman, NANC DFO
Honorable Karen Charles Peterson, NANC Chairwoman
[Vote: Not Applicable]

**Secure Telephone Identity Governance Authority (STI-GA)
Report to the NANC**

Brent Struthers, Alliance for Telecommunications Industry
Solutions (ATIS), Director – STI-GA
[Vote: Not Applicable]

**North American Portability Management (NAPM), LLC
Report to the NANC**

Teresa Patton, Co-Chair, NAPM, LLC
[Vote: Not Applicable]

**Numbering Administration Oversight Working Group (NAOWG)
Report to the NANC**

Philip Linse, Co-Chair, NAOWG
[Vote: Not Applicable]

988 Suicide and Crisis Lifeline Overview

Michelle Schlater, Senior Counsel for Number Administration, 988 Team Lead
Federal Communications Commission
[Vote: Not Applicable]

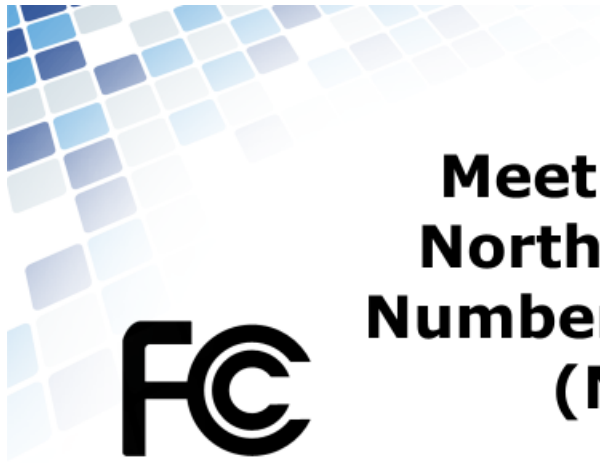
Public Comment and Participation

Honorable Karen Charles Peterson, NANC Chairwoman
[Vote: Not Applicable]

Wrap-Up

Honorable Karen Charles Peterson, NANC Chairwoman
[Vote: Not Applicable]

Adjourn



Meeting of the North American Numbering Council (NANC)

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Call to Order

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Welcome and Opening Remarks

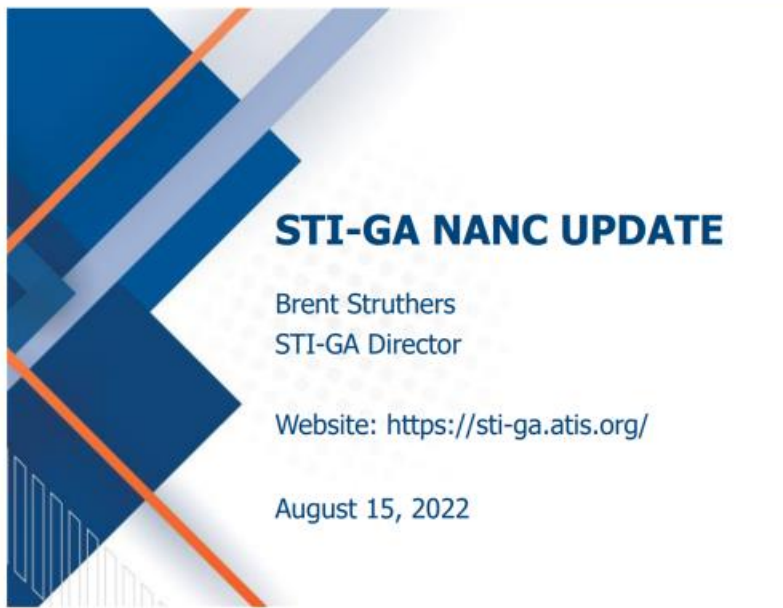
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Roll Call, Announcements and Recent News

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STI-GA NANC UPDATE

Brent Struthers
STI-GA Director

Website: <https://sti-ga.atis.org/>

August 15, 2022

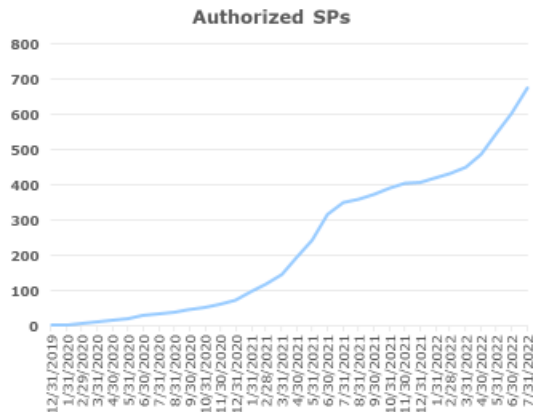
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SHAKEN Framework STI-PA Authorization

STI-PA Authorization

- 678 service providers authorized as of 7/31/22
- Currently 11 authorized STI-CAs



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SHAKEN Framework Status

STI-GA & CST-GA MoU

- A memorandum of understanding was announced that allows coordination on various issues:
 - Enforcement
 - Sharing of STI-CA and Certificate Revocation Lists
 - GA Policy review

STI-GA Policy

- STI-GA Board adopted new policy in light of February data breach:
 - STI-CA Revocation Policy
- Board postpones discussion of BYOT policy as FCC considers the issue in the FNPRM

STI-GA Framework Funding

- In August, STI-GA Board will begin to consider its budget for 2023:
 - Increase in number of participants should decrease costs for individual providers.



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Questions?



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**North American Portability Management (NAPM)
LLC Report to NANC August 15, 2022**

Deborah Tucker
NAPM LLC Co-Chair



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Statements of Work & Contract Amendments



- SOW 29, SOW 30, and Amendment 31 were approved.
 - o SOW 29 addresses the implementation of NPIF Change Order 557 "SPID Level Outbound Flow Control Tunables" which provides flow control tunables at the SPID level to allow for increased configuration flexibility.
 - o SOW 30 addresses the implementation of NPIF Change Order 556 "New SV Download Reason" which provides data on the reason a ported TN is being disconnected from the NPAC. With this change order, a new NPAC Service Provider tunable (SPIDable) will be added, and a new Download Reason will be added.
 - o Amendment 31 addresses the addition of email addresses as an ELEP Data Element and to permit Law Enforcement Agency (LEA) access to WDNC Service Intermodal Ports.
- NPAC Release Schedule - Release 5.1.1 is under consideration for 1st Qtr 2023.
 - o It will include functionality for SOWs 29 and 30 as well as operational improvements and usability enhancements.

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NAPM LLC Committees

Contract Implementation Committee (CIC)

- 6 new finding reports for Providers of Telecommunications Related Services (PTRS Users that are non-Service Providers) to validate the need for NPAC data access were received and approved since the last NAPM LLC Report was delivered to the NANC.
- The 2022 Annual Certification Qualification (ACQ) process status as of 7/19/2022:
 - o 99% of Service Providers have completed their ACQ
 - o 98% of PTRS Users have completed their ACQ

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Security Advisory Committee (SAC)

- Quarterly review with members of the SAC, FCC and iconectiv to be scheduled.

Numbering Trends Advisory Committee (NTAC)

- The NTAC, a new advisory committee, tasked with identifying, researching and discussing trends and new industry developments that may affect numbers, number management, and number portability has selected topics to kick off this effort which include:
 - o Bifurcation of numbers between carrier assignment of SMS and Voice on two different carriers
 - o Individual Telephone Number Pooling and the potential impacts to the NPAC
 - o Hyper-Porting – The same telephone numbers that continuously port between carriers

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Appendix



NAPM LLC Role

- Provide oversight and management of the Local Number Portability Administrator (LNPA) in accordance with the contract, orders and/or direction from the FCC.

Contact Information

- Co-Chair – Deb Tucker, – 615-478-3548 or Deborah.Tucker@verizonwireless.com
- Co-Chair – Teresa Patton, AT&T – 972-989-5126 or TP1393@att.com
- Website - <http://www.napmllc.org>

Meeting Information

- The NAPM LLC meets monthly and a portion of each meeting is open for attendance by any interested party. The current meeting schedule is published on the NAPM LLC website.



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**North American Numbering Council
(NANC)**

**Numbering Administration Oversight Working Group
(NAOWG)**

August 15, 2022

Co-Chairs:

Philip Linse, Lumen
Robert McCausland, SGE

FCC Liaisons:

William Andrie and Rebecca Maccaroni



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Area of Responsibility

- **Mission:** The Numbering Administration Oversight Working Group oversees the activities and reviews the performances of the North American Numbering Plan Administrator (NANPA), Reassigned Numbers Database Administrator (RNDA), and the Billing and Collection Agent. It also provides oversight of number portability administration.
- FCC contract oversight of the following vendors
 - North American Numbering Plan Administrator (NANPA) – Somos
 - NANPA – Administers the allocation of the North American Numbering Plan (NANP) numbering resources, the allocation of 1,000's Block Number Pooling, and the Routing Number Administration (RNA) for p-ANI numbering resources
 - Reassigned Numbers Database Administrator (RNDA) – Somos
 - RNDA – Administers the data that is provided into the RND and the service that is provided to callers
 - Billing & Collections (B&C) Agent – Welch LLP
 - Bills and Collects from the Telecommunications industry for payment for the functions of the B&C Agent, NANPA, PA, and RNDA Vendors
- Oversight of Number Portability

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Contract Status

NANPA/RNDA:

- SomosGov, Inc. – Awarded combined NANPA/RNDA contract
 - Effective December 1, 2020
 - Five-year base duration, plus three one-year options (total up to eight years); current expiration November 30, 2025

B&C Agent:

- Welch LLP – Billing & Collections contract
 - Effective May 1, 2018
 - Five-year duration; current expiration April 30, 2023

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Contract Oversight Activity

Activities:

- NANPA
 - NANPA monthly report
 - NAS/PAS/RNAS combined system development status
 - 988 Implementation (10-Digit Dialing) status
 - Evaluation
- RNDA
 - Monthly report
 - Evaluation
- B&C Agent
 - NANP financial monthly report
 - RND financial monthly report
 - Evaluation
- LNP NPIF
 - Number Portability Industry Forum (NPIF) work activity

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NANPA

- Reviewed NANPA monthly reports
 - NANP
 - PA
 - RNA
- Completed NANPA monthly/quarterly evaluations
- NANPA contract includes combining Number Administration System (NAS), Pooling Administration System (PAS), and Routing Number Administration System (RNAS)
 - Update: NANPA anticipates completion of CNAS 4Q of 2024
- Completed Development of NANPA/PA/RNA/RNDA Performance Surveys
 - Provides annual opportunity for user feedback
 - Targeted user types (Service Provider and Others/Regulator)
 - Considered in annual evaluation
 - Pending PRA Review

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NANPA 988 Implementation Planning

- Upon the initial 988 implementation and the associated transition to 10-digit dialing and NANPA planning meeting pursuant to FCC 20-100 *Implementation of the National Suicide Hotline Improvement Act of 2018*, the NANPA monthly report includes a status of the transition to 10-digit dialing for 82 area codes across the United States.
- Planning meetings held on March 10, May 12, July 7 to provide update to milestones for the transition from 7 to 10-digit dialing in NPAs where 988 is also an NXX
 - Mandatory 10-Digit Dialing enforcement deadline July 15, 2022
 - 988 Implementation Deadline July 16, 2022
- Additional information can be found at:
https://www.nationalnanpa.com/transition_to_10_digit_dialing_for_988/index.html

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RNDA

- Review RNDA monthly report
- Service provider data upload by 15th of each month
 - 236,958,730 total NANP numbers including Toll Free (Per. June RNDA Report)
- Completed RNDA monthly/quarterly evaluation
- RND websites
 - RNDA website: <https://www.reassigned.us/>
 - FCC website : <https://www.fcc.gov/reassigned-numbers-database>

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Billing & Collections

- Reviewed B&C Agent Reports
 - Monthly Review of Deliverables
 - NANPA Financials
 - RND Financials
 - Completed Monthly/Quarterly Evaluation

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Number Portability Industry Forum (NPIF)

- Meet on a monthly basis with a focus on general LNP industry issues including XML Interface improvements, LSMS capacity planning, best practice updates and change order review.
- Working on an issue brought in by Somos requesting changes to the interface between the NPAC and the pooling administrator function of NANPA
- Planning for industry wide load testing to determine the capacity of service provider systems to handle an increase in throughput
- Remaining scheduled meetings for 2022
 - September 13
 - October 5-6
- Tri-chairs:
 - Deb Tucker – Verizon (deborah.tucker@verizonwireless.com)
 - Teresa Patton – AT&T (tp1393@att.com)
 - Randee Ryan – Comcast (randee_ryan@comcast.com)

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Numbering Administration Oversight Working Group (NAOWG) Members

NAOWG Members:

- | | |
|--------------|---------------------|
| ✓ 10x People | ✓ NASUCA |
| ✓ Ad Hoc | ✓ PACE |
| ✓ AT&T | ✓ TDS |
| ✓ Charter | ✓ Telnyx |
| ✓ Comcast | ✓ T-Mobile |
| ✓ Cox | ✓ Twilio |
| ✓ DC PSC | ✓ US Connect |
| ✓ Lumen | ✓ Verizon |
| ✓ Maine PUC | ✓ Washington
UTC |

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Future Meetings/Contact Information

2022 Meetings

- Aug. 25
- Sep. 29
- Oct. 27
- Nov. 17
- Dec. 15

Contact the Co-Chairs for complete meeting or conference call details

Philip Linse – philip.linse@lumen.com

Robert McCausland – mccaus13@gmail.com

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North American Numbering Council

988 Suicide and Crisis Lifeline Overview



Michelle McKim Sclater

Senior Counsel Number Administration
988 Team Lead
Federal Communications Commission
Wireline Competition Bureau

August 15, 2022

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Overview

- **The FCC designated 988 for the National Suicide Prevention Lifeline, now available nationwide as of July 16, 2022.**
- **This presentation will cover:**
 - **988's Procedural Background**
 - **Timeline and Implementation**
 - **Text-to-988 Requirements**
 - **Geolocation Report to Congress**
 - **Geolocation Forum**
 - **Current State Legislation for 988 Fees**
 - **Comparison of 911 and 988**
 - **Next steps**

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Procedural Background

- On August 14, 2018, Congress passed the National Suicide Hotline Improvement Act of 2018.
- On December 16, 2019, the FCC released a Notice of Proposed Rulemaking that proposed to designate 988 as the 3-digit dialing code for the National Suicide Prevention Lifeline.
- On October 17, 2020, Congress enacted the National Suicide Hotline Designation Act of 2020.
- On July 16, 2020, the FCC adopted a Report and Order that adopted 988 as the 3-digit code for the Lifeline and required providers to implement 988 within two years.
- On November 18, 2021, the Commission adopted a Second Report and Order that requires text service providers to support text messages to 988.



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Timeline and Implementation

- The 988 Orders requires all telecommunications carriers, interconnected voice over Internet Protocol (VoIP) providers, and one-way VoIP providers to make any network changes necessary to ensure that users can dial and text 988 to reach the Lifeline as of July 16, 2022.
- Requires covered providers to implement 10-digit dialing in areas that both use 7-digit dialing and 988 as the first three digits of a number.
- North American Numbering Plan Administrator worked with providers to ensure readiness by July 16, 2022.



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Text-to-988 Requirements

- On November 18, 2021, the Commission adopted a Second Report and Order that requires service providers to support text messages to 988.
- Covered text providers must support text messaging to 988 as of July 16, 2022 – the same day the FCC established 988 as the 3-digit dialing code for Americans to reach the Lifeline by telephone.
- Text messaging is especially popular with groups that are at heightened risk of suicide or mental health crises, including teenagers and young adults and individuals who are deaf, hard of hearing, deafblind, or speech disabled.



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Geolocation Report to Congress

- Congress's mandated that the Commission submit a report on the feasibility and cost of attaching an automatic dispatchable location with 988 calls.
- The Commission released a Public Notice and received comments from numerous stakeholders, many who observed that the issues involved were complicated, with broad consensus that a working group of some kind should be created.
- On April 17, 2021, the Commission issued its report to Congress, recommending that the various stakeholders be convened to discuss the issues in greater depth and to collaborate on potential solutions for sending geolocation information with a 988 call.



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Geolocation Forum

On May 24, 2022, the Commission hosted a forum bringing together industry, standards-setting bodies, federal partners, and others to discuss 988 geolocation.

- It was a full day, packed with information from thirty-four speakers, presenters and panelists who discussed a wide range of topics including:
 - Location Information evolution for 911 and impacts for 988
 - 988 Suicide and Crisis Lifeline & geolocation needs
 - 988 frontline challenges without geolocation (on 988 and other services)
 - 988 consumer considerations with geolocation
 - 911/988 interaction
 - Lifeline technology and data usage, now and in the future
 - Identifying technical challenges and solutions



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Current State Legislation on 988 Fees

- As of July 15, 2022, 35 states have introduced or passed legislation to support 988.
 - 15 states have passed legislation that enact a 988 infrastructure, either through the adoption of fees, without fees, through a 988 study or commission, or appropriations other than a fee.
- There have been different approaches to collecting funds to support 988, such as the inclusion of a fee or surcharge on customer's phone bills or state and federal grants to improve and update 988 infrastructure.
 - Under the National Suicide Hotline Designation Act of 2020, 988 fees can be used to "ensure the efficient and effective routing of calls" and on personnel and the provision of mental health crisis outreach and services.
- As of July 15, 2022, four states – Washington, Nevada, Colorado, and Virginia – have passed bills to enact a 988 fee.



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Comparing 911 and 988

	911	988 / Lifeline
Purpose	Emergency dispatch of fire, police, EMS	Assess callers for suicidal risk, provide counselling and resources, perhaps engage emergency services
Age	Since 1968 (50+ years)	Lifeline since 2004; 988 since 2022
Governance	State and Local administration (governance varies by state); NTIA/NHTSA coordination and grants; FCC regulation of providers.	National administration (Vibrant); SAMHSA oversight and grants; Veterans Crisis Line; FCC regulation of providers.
Call Centers	4,627+ Primary and 759+ Secondary PSAPs	180 independently operated and funded local crisis centers
Network	Dedicated emergency network	Public network
Routing	Route directly to nearest PSAP based on available location information; fallback to nationwide centers	Route first to nationwide toll-free number, then to nearest crisis center based on area code
Handset Involvement	Yes; calling 911 activates "emergency mode"	No
Technical Standards	Yes	TBD
Consumer Expectations	Location transmitted and emergency personnel dispatched	TBD
Liability Protections	State and Federal law protections for communications providers	TBD
Privacy Exceptions	Yes – carriers may transmit CPNI, including precise location, in connection with 911 calls	TBD
FCC Authority re: Location Info	Yes	TBD

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Next Steps

- The Commission is analyzing the information gathered in our full-day geolocation forum and considering recommendations for next steps on this issue.
- The Commission is gathering information from states, territories, and tribal governments for its 988 Fee Report. Per the National Suicide Hotline Designation Act of 2020, the Commission must release its report by October 17, 2022.

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Questions/Contacts/Links

Reference Links:

National Suicide Hotline Improvement Act of 2018

<https://www.congress.gov/bills/115/congress/house-bill/2345/text>

988 Order

https://docs.fcc.gov/public/attachments/FCC-20-100A1_Rcd.pdf

National Suicide Hotline Designation Act of 2020

<https://www.congress.gov/bills/116/congress/senate-bill/2661/text/enr>

Geolocation Report to Congress

https://docs.fcc.gov/public/attachments/FCC-20-100A1_Rcd.pdf

Text-to-988 Second Report and Order

<https://www.fcc.gov/document/fcc-approves-text-988-access-suicide-prevention-lifeline-0>

Geolocation Forum Materials

<https://www.fcc.gov/news-events/events/2022/05/forum-geolocation-988>

Contacts:

Michelle McKim Sclater
Senior Counsel Number Administration
988 Team Lead
Federal Communications Commission
Wireline Competition Bureau
Michelle.Sclater@fcc.gov



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**Public Comments
and
Participation**



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Wrap Up

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Adjourn

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