

DNO Call Blocking with ClearIP

ClearIP User Group Webinar

Date: October 8, 2025

Presenters: Blake King

Sean Archer

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Agenda

- Review of DNO call blocking rules
- How to comply using ClearIP
- How to prepare for the deadline Demo!
- How to handle special cases Demo!
- Technical support for DNO call blocking
- Questions



- All providers in the call path must block calls that are highly likely to be illegal based on a reasonable DNO list
- Such list may contain only:
 - NANP numbers that are not valid
 - Valid NANP numbers that are not allocated to a provider
 - Valid NANP numbers that are allocated to a provider but are unused
 - Numbers for which the subscriber has requested blocking
- A list so limited in scope that it leaves out obvious numbers that could be included with little effort may be deemed unreasonable
- The effective date is December 15, 2025



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What does this mean?

Using non-telephony digits

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 Too few or too many digits
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 Calling number is using an
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unassigned area code or is part of

an unallocated number block

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Calling number is allocated,

but not used

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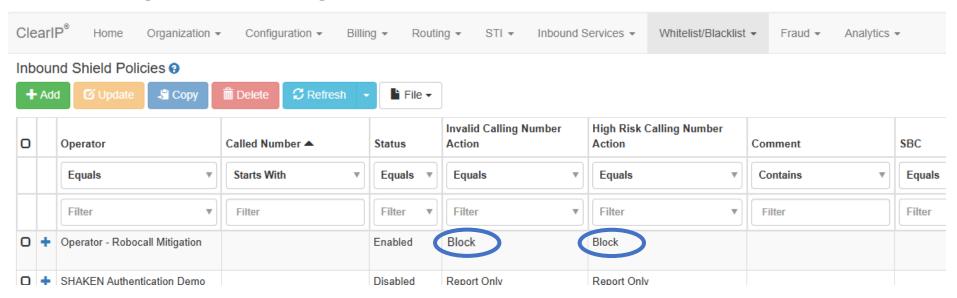
Calling number is found on a

list of numbers which never

make outbound calls

Compliance Using ClearIP

- The Inbound Shield feature does exactly that!
 - Apply the feature to outbound and inbound calls
 - Set the Invalid Calling Number Action to Block
 - Set the High Risk Calling Number Action to Block

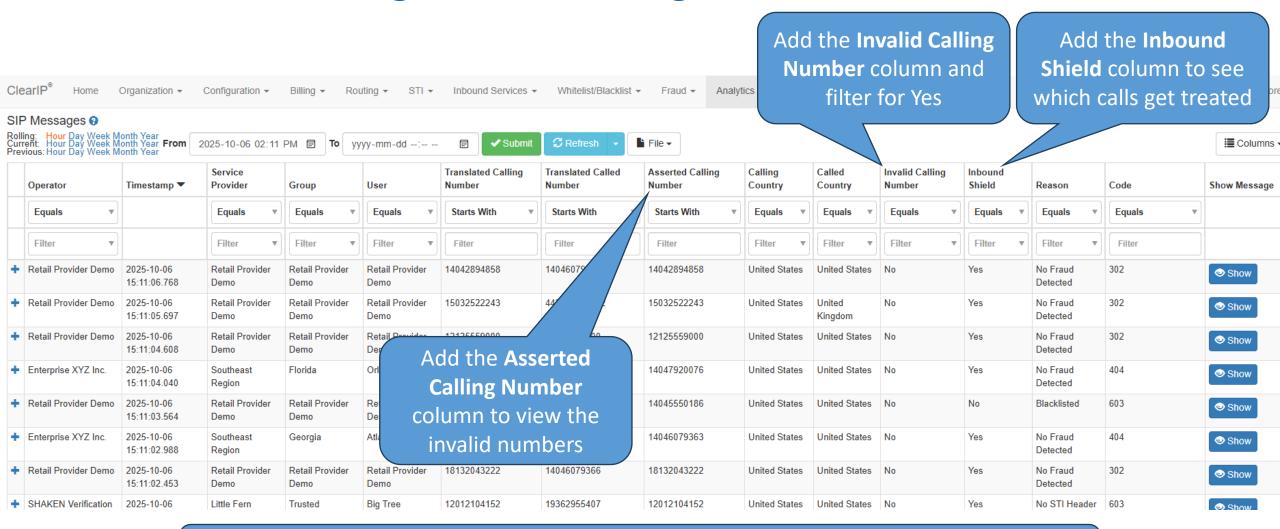


Recommended Approach

- Apply Inbound Shield to all your calls
 - But set the Invalid Calling Number Action to Report Only at first
 - Then, review what calls could have been blocked
- Sample invalid calling numbers:
 - 101 PBX is sending the extension
 - 4045668825 Missing the leading 1
 - 14041668825 N of NXX can only use digits 2 to 9
 - 140456688259 Too many digits
 - 1999999999 999 is an unassigned area code



View Calls Using Invalid Calling Numbers in ClearIP



Investigate the calls which could be blocked before the deadline on **December 15**!

Special Cases

- Asserted Calling Number comes from:
 - P-Asserted-Identity, if present
 - If not present, From header

P-Asserted-Identity	From	Asserted Calling Number	Comment
	anonymous	anonymous	Call has no calling numberWhat to do? Add PAI and Privacy for outbound callsWhat will other service providers do?
4045668825	404566825	4045668825	 Not E.164 (no +1) Send NANP numbers with +1 Send international numbers with +
52xxxxxxxxx	52xxxxxxxxx	152xxxxxxxxx	 Not E.164 (no +) Calling Number Translation Rules add a leading 1 Send international numbers with +
	+14045668825	4045668825	Incorrect Calling Number Translation RulesShould remove only the +

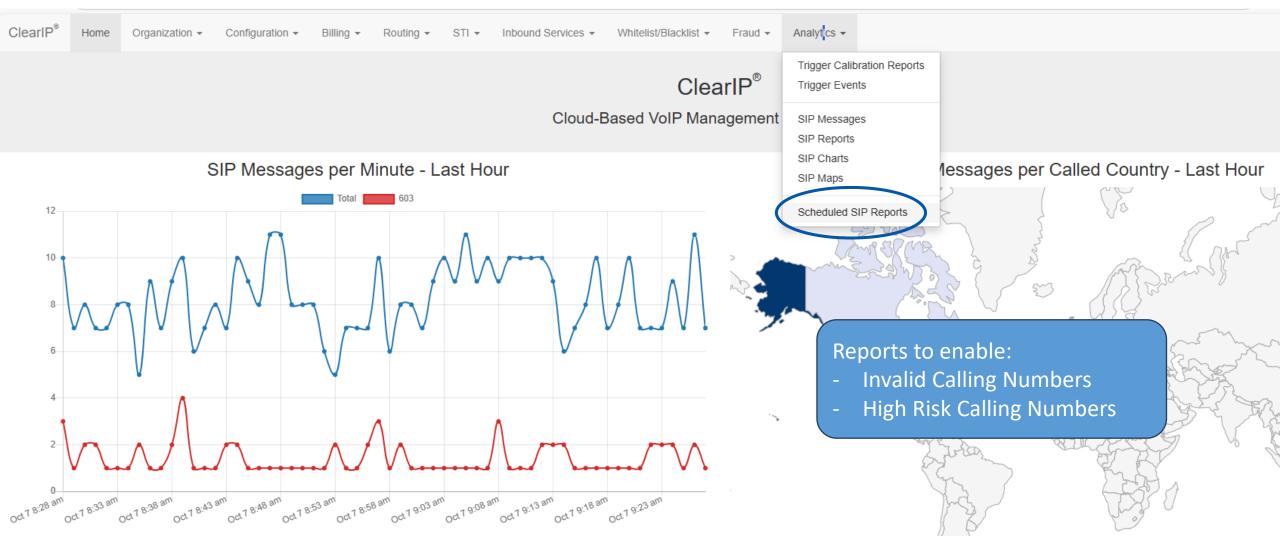
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Whitelist calls to/from emergency numbers!

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Obtain Weekly Reports via Email



Support for DNO Call Blocking

- TransNexus Sales Engineers can help you
 - Please open a support ticket at https://tickets.transnexus.com/
- After November 21, approaching Thanksgiving, support for DNO call blocking may require:
 - Reserving and scheduling a time window for technical support
 - \$225/hour professional services for ClearIP configuration and troubleshooting (probably 1 hour is sufficient)

Please be patient as we expect to be very busy!



Questions?

Contact: <u>sales@transnexus.com</u>

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