Restoring Public Trust
in International Communications

an industry call to action

from vision to action

our objective today

- share i3forum's vision for restoring trust in int'l communications

- learn from key industry players rallying around common objective

- make it happen: proposed path forward, next steps

facing the challenge of our time

spamming, spoofing, robocalling, phishing...

unwanted/illegal communications triggering global communications services crisis

- the public are affected

- national regulatory authorities (NRAs) step in to protect the public

individual national approaches make a consistent approach complex

Survey of National Approaches to enabling Trusted Communications for Voice and Messaging

	1. Trusted CLI National Solutions		2. CLI Validating Solutions				3. Roaming Status Checks		4. SMS compliance	5. Vetting Process Traffic Statistics
	Voice	SMS	CLI Sanity Checks	DNO	CLI Removal	Call Blocking Policies	National	International	CLI and DNO	
US	US STIR/SHAKEN	TCR	Yes	Yes	N.a.	No	N.a.	N.a.	CLI Validation and DNO in 2023	N.a.
Canada	Canadian STIR/SHAKEN	N.a.	Yes		N.a.	No	N.a.	N.a.		N.a.
France	French version	N.a.	N.a.		N.a.	Yes	N.a.	N.a.	DNO	N.a.
Australia	On international inbound	N.a.	Industry Code C661		N.a.	Yes	N.a.	N.a.	CLI Validation and DNO	N.a.
Belgium	N.a.	N.a.	CLI guidelines BIPT		N.a.	Yes	N.a.	N.a.		N.a.
Latvia	N.a.	N.a.	CLI guidelines NRA		N.a.	Yes	N.a.	N.a.		N.a.
Norway	N.a.	N.a.	Regulation and Nkom Operator agreement 01.09.22		N.a.	Yes	N.a.	N.a.		N.a.
UK	Consultation 23.06.23	MEF SenderID	CLI guidelines Ofcom National CLI (except mobile)	Yes	Under study	Yes	Under study	Ofcom recommended		N.a.
Finland	N.a.	N.a.	Guidelines Traficom National CLI (except mobile)		If CLI not trusted	Yes	Based on API call	Via SS7 SRI-SM access		N.a.
Poland	Under study	N.a.	CLI guidelines UKE		N.a.	Yes	Based on API call	CAMEL triggering		N.a.
Germany	N.a.	N.a.	For specific CLI ranges		If CLI not trusted	No	N.a.	CAMEL triggering		N.a.
Saudi Arabia	N.a.	N.a.	N.a.		N.a.	Yes	Based on SS7 ATI	N.a.		N.a.
Oman	N.a.	N.a.	N.a.		N.a.	Yes	Based on SS7 SRI-SM	N.a.		N.a.
China	N.a.	N.a.	N.a.		N.a.	Yes	N.a.	N.a.		Realtime monitoring
Ireland	Under study	MEF SenderID	Fixed line	In progress >75% complete in operators	Under study	??	Under study	Under study		N.a.
India	N.a.	Blockchain registry	AI/ML-based filtering May 2023		N.a.	No	N.a.	N.a.	CLI validation AI/ML-based filtering May 2023	N.a.
Malaysia	N.a.								May 23 – block SMS from local and int. mobile no	
Spain		MEF SenderID								
Sweden								Under discussion		

i3 forum

Updated June 2023

Source : i3forum, including industry input led by

TITAN.IUM
and
XConnect
A Somos Company

fragmentation impacts entire ecosystem

- substantial burden on NRAs

- confusion, complexity, high costs, slow adoption, potential exclusion in int'l industry

- negative outcomes for genuine international communications

- limited efficiency achieving "anti nuisance" objectives

lessons learned:
need a
joint, united
response

uncoordinated response, driven by NRAs only, has limitations

int'l carriers are part of the solution, need to be part of the discussion

stakeholders need each other

we all share the same objective

our vision: address NRAs concerns, co-develop solutions, policies, governance

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1 unified guidance

- standardized global guidance

- efficient & industry viable solutions

- drive industry adoption

2 self/joint regulation

- self/joint regulation framework to enforce unified guidance, solutions

- opt-in framework for carriers, NRAs

- compliance monitoring and enforcement

- compliance brings "Trusted Carrier" benefits from industry/NRAs

- non-compliance brings penalties from industry/NRAs

3 joint governance

- joint industry/NRA management of self/joint regulation framework

- grow NRA participation

- jointly address new issues, adapt & improve framework

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build One Consortium, key enabler for the int'l ecosystem

from vision to action
building the voice of the international ecosystem together

- industry to "clean the house", make proposals, drive adoption, grow participation

- entire ecosystem share same challenges, join forces

  international voice and messaging carriers, aggregators, CPaaS players, global industry organizations (e.g. i3forum), vendors...

- clear mandate : restore trust in int'l communications

- objectives :
  - industry collaboration
  - industry representation
  - pooled/shared resources management
  - liaison with other organizations

from **vision**
to **action**
building the voice
of the international
ecosystem
together

some proposed key principles for One Consortium

- inclusive, neutral, agile, pragmatic

- not for profit

- no membership fees, activities funded by members

- governed by traffic carrying players

beyond international

opportunity for all stakeholders to coordinate efforts under Restore Trust initiative

restoring trust is a common objective

opportunity for National Regulatory Authorities

- build/strengthen global multilateral collaboration,
- discuss concerns, expectation, priorities, path forward
- engagement model(s) with other stakeholders

opportunity for National Communications Associations

- build/strengthen inter-national cooperation,
- identify shared concerns, joint proposals
- engagement model(s) with other stakeholders

i3forum can host/facilitate if helpful

proposed short term plan

Sept. 7

Sept. 28

launch EOY 2023?

pre-consortium int'l ecosystem

One Consortium

NRA–NRA discussions

NCA–NCA discussions
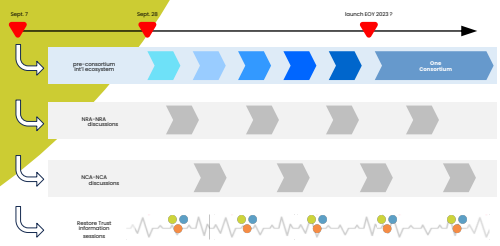
Restore Trust information sessions

#1 set-up pre-consortium working group
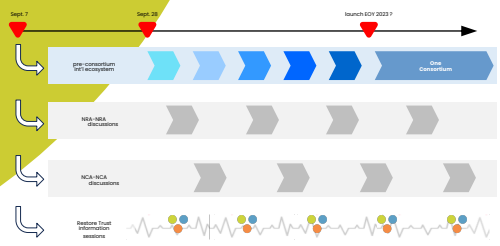
i3forum offers to organize & facilitate initial meetings

proposed initial pace: meet every other week

working group voting participants are expected to:

- be mandated by int'l traffic carrying companies facing the issue,
- or by global industry organizations representing such companies,
- consider joining & contributing resources to One Consortium
- speak/commit on behalf of their respective organizations

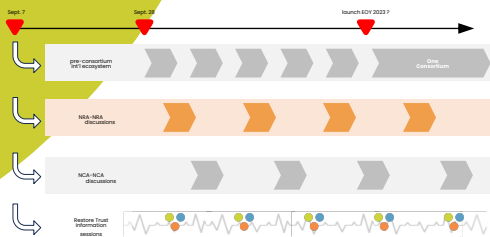only one voting participant for each organization

limited number of participants to ensure efficiency

pre-consortium kick-off
September 28

half-day meeting to discuss & agree:

- **mandate** of pre-consortium working group

- **charter** pre-consortium working group

- **timeline & work plan**

- target **launch date** for One Consortium

- immediate **actions**

#2
National
Regulatory
Authorities

i3forum offers to facilitate/host NRA-NRA discussions
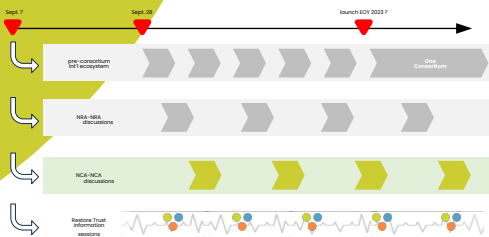
suggested plan:

- start with 1:1 calls between i3forum and interested NRAs

- explore potential agenda & format, initiate group

- reach out to more NRAs to grow the group

next steps

- i3forum will contact NRA representatives on this call

- already encouraging response from some NRAs

#3
National
Communications
Associations

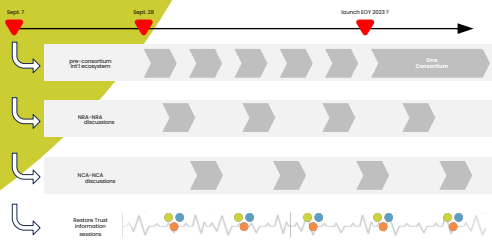i3forum offers to facilitate/host NCA–NCA discussions

proposed way forward

- build on existing multi-lateral discussions

- clarify agenda & format

- initiate & grow the group

next steps

- confirm first meeting between i3forum and leading NCAs

**#4
repeat &
expand open
information
session**

similar to today – grow participation

- share progress, solicit feedback, gain traction
- make room for more interaction
- open to more contributors (educational, non-commercial)

next session : 2nd half of October

counting on all to grow participation, momentum

multiple ecosystem contributors express interest, support

industry rallying around common objectives

- i3forum members & other int'l carriers, aggregators

- industry organizations including:
  - Global Leaders Forum (GLF)
  - Alliance for Telecommunications Industry Solutions (ATIS)
  - Secure Telephony Identity – Governance Authority (STI-GA)
  - Industry Traceback Group (ITG)
  - CPaaS Acceleration Alliance (CPaaSAA)
  - Global Solutions Forum (GSC)
  - International Telecoms Risk Forum (ITRF)
  - European Competitive Telecommunications Association (ECTA)
  - Comms Council UK (CCUK)

- vendors

bics · BT · BTS · colt · hot telecom · iBASIS · SPARKLE · Telefónica Global Solutions · netnumber GLOBAL DATA SERVICES · orange · OTEGLOBE · PCCW Global · Post LUXEMBOURG · LANCK TELECOM · symbio · TATA COMMUNICATIONS · RISK & ASSURANCE GROUP · Telstra · TITAN.IUM · vodafone · twilio · XConnect A Somos Company · Telin · IDENTIDAD TECHNOLOGIES

i³ forum

industry rallying around common objectives

with limited time for everyone to speak, key industry leaders will briefly share their views

- Annabel Helm, GLF
- Linda Vandeloop, AT&T, STI-GA
- Josh Bercu, ITG
- Rob Kurver, CPaaSAA
- Pasqualina Spagnuolo, ITRF
- Eli Katz, CCUK
- Katia Gonzalez, BICS
- Nishant Arya, Tata Communications
- Celine Gregoire, iBasis

feel free to reach out to them to pick their brains

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- Linda Vandeloop, AT&T, STL CA

industry
rallying
around
**common
objectives**

**Annabel Helm
Managing Director, GLF, ITW, BroadGroup**
The ITW Global Leaders' Forum (GLF) represents a global network of leaders from the world's largest International Carriers, who convene to discuss strategic issues and to agree collaborative activities, with the aim of upholding the principle of interoperability and ubiquitous international and technological coverage.

itw GLF
GLOBAL LEADERS' FORUM

- Nishant Arya, Tata Communications

- Celine Gregoire, iBASIS

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industry rallying around
common objectives

Linda Vandeloop
Chair, STI-GA
AVP External Affairs/Regulatory, AT&T
STI-GA is the body which governs STIR/SHAKEN in the USA.
AT&T is a leader in the fight against illegal robocalls and has a
long standing commitment to develop tools and partnerships.

STI Governance Authority ✓

AT&T

- Katia Gonzalez, BICS

- Nishant Arya, Tata Communications

- Celine Gregoire, iBASIS

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industry
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Josh Bercu
Executive Director, Industry Traceback Group
Vice President, USTelecom, Broadband Assoc.
Since USTelecom, a nonprofit trade association,
established the ITG in 2015, ITG has played a central and ever-
growing role in the battle against illegal robocalls

INDUSTRY
TRACEBACK‹‹‹
GROUP

- Katia Gonzalez, BICS

- Nishant Arya, Tata Communications

- Celine Gregoire, iBASIS

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industry rallying around
common objectives

Rob Kurver
Founding Partner, CPaaS Acceleration Alliance
CPaaS Acceleration Alliance is accelerating growth and adoption of communications platforms. We bring together CPaaS platform and service providers, enablers, technology vendors, sales partners, advisory partners, industry experts and media to collaborate for mutual success and growth.

- Nishant Arya, Tata Communications

- Celine Gregoire, iBasis

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i3forum.org

22

limited time for everyone to speak,
key industry leaders will briefly share their views

- Annabel Helm, GLF

- Linda Vandeloop, AT&T, STI-GA

industry rallying around common objectives

Pasqualina Spagnuolo
ITRF Committee Member
Associate Director, International Credit,
TATA Communication
Over 30 years in Telecom Credit. 23 years with Teleglobe/ TATA
Communications. ITRF Member over 18 years

International Telecoms Risk Forum

- Katia Gonzalez, BICS

- Nishant Arya, Tata Communications

- Celine Gregoire, iBasis

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- Linda Vandeloop, AT&T, STI-GA

Eli Katz
Chairman, CCUK
Founder and CEO, XConnect
Comms Council UK are a UK, membership-led organisation
that represents companies who provide
or resell business and residential customers voice services
over data networks (VoIP) as well as other "over the top"
applications including instant messaging and video.

COMMS COUNCIL UK

industry
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industry
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around
**common
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**Katia Gonzalez
Head of Fraud Prevention,
Security and Analytics, BICS**
As a leading communications platform company, BICS
connects the world by creating reliable and secure
mobile experiences anytime, anywhere.

bics

- Katia Gonzalez, BICS

- Nishant Arya, Tata Communications

- Celine Gregoire, iBasis

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- Linda Vandeloop, AT&T, STI-GA

industry rallying around common objectives

Nishant Arya
Global Head – Commercial Operations
(Usage Based Services), Tata Communications
Responsible for profitability and business operations of voice
& messaging business. Tata Communications is powering
customer's hyper connected ecosystems.

TATA COMMUNICATIONS

- Katia Gonzalez, BICS

- Nishant Arya, Tata Communications

- Celine Gregoire, iBASIS

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industry rallying around common objectives

Celine Gregoire
EVP Marketing and Voice, iBASIS
iBASIS is the leading communications solutions provider enabling operators and digital players worldwide to perform and transform. iBASIS is the first independent communications specialist and Tier One IPX vendor with 800+ LTE destinations. iBASIS today serves 1,000+ customers across 26 offices worldwide.

iBASIS

- Katia Gonzalez, BICS

- Nishant Arya, Tata Communications

- Celine Gregoire, iBASIS

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today's take-aways

game on!

1. NRAs & NCAs: we'll be in touch

2. pre-consortium working group
   - secure mandate from your company
   - apply by September 22 **email Philippe/Christian**
   - first meeting (1/2 day): September 28

3. everyone
   - reach out with any question/suggestion
   - help grow interest & participation
   - next information meeting 2nd half of October

Philippe Millet
Founder & Chair
i3forum
philippe.millet@i3forum.org

Christian Michaud
Vice Chair
i3forum
christian.michaud@i3forum.org

i3forum.org

LinkedIn i3forum page

thank you for your attention

let's get to work now

Philippe Millet
Founder & Chair
i3forum
philippe.millet@i3forum.org

Christian Michaud
Vice Chair
i3forum
christian.michaud@i3forum.org

i3forum.org

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this session has been recorded and will be available for replay on
https://i3forum.org/one-consortium/ , as well as this presentation

i3forum.org