

# International Frogans Addresses for ICANN 51 Attendees

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# Organizing the Frogans technology

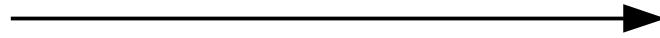
## OP3FT's mission



**TO HOLD**



**TO PROMOTE**



**TO PROTECT**



**TO ENSURE THE  
PROGRESS OF**



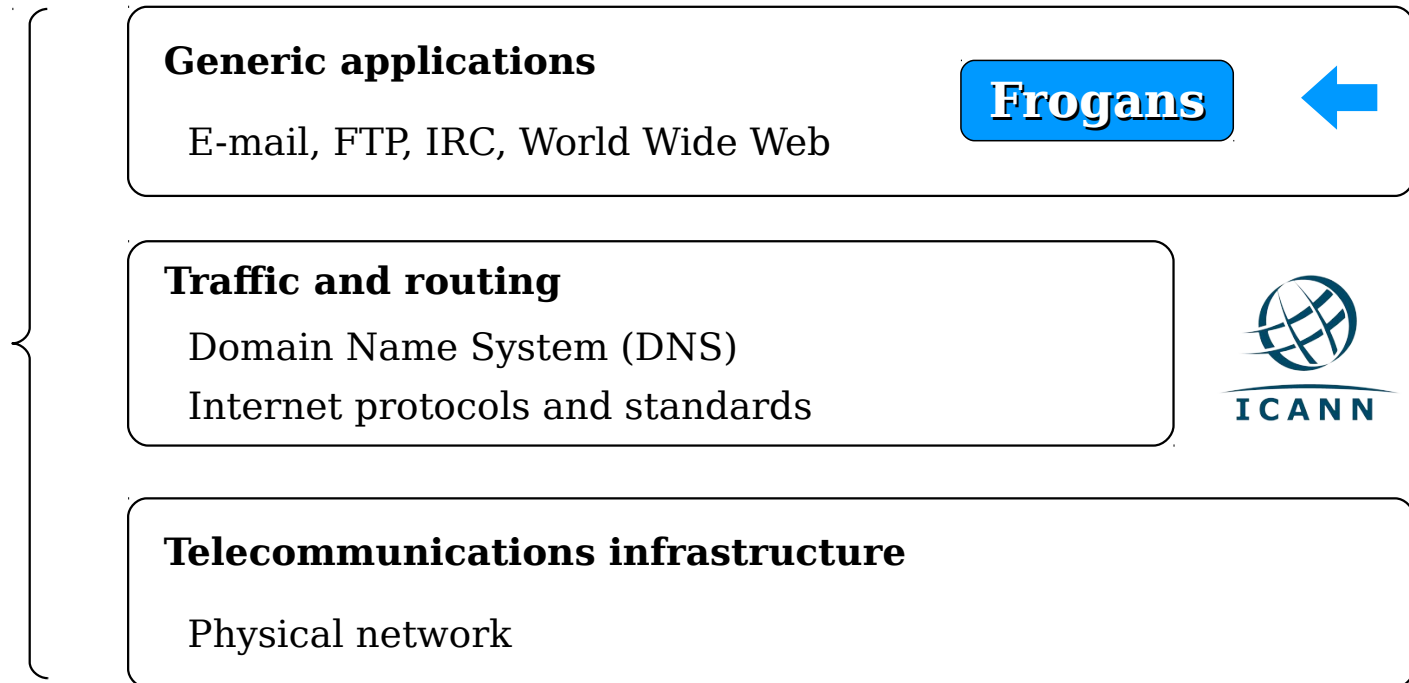
## Frogans technology

Released in the form of an open standard, available to all users, free of charge

- OP3FT is a non-profit organization
- Develops the Frogans technology in the public interest
- Respectful of national laws

# Frogans technology: A new software layer on the Internet

## The three operating layers of the Internet



- A new step in the development of the Internet
- Allows the introduction of Frogans sites
- Uses the .frogans gTLD delegated by ICANN in order to function

# Frogans sites: A new format for publishing content online



- Secure
- Smaller in size and weight
- Open to the creativity of publishers all around the world

# Truly multi-platform



- Same browsing experience and identical display on all devices
- Downloadable free of charge from the OP3FT
- Respectful of end-user privacy

# Frogans addresses: new identifiers for Frogans sites

Source: Google translate

Network-name\*Site-name

Latin

اسم-شبكة\*اسم-موقع

Arabic

网络 - 名称 \* 现场 - 名称

Chinese

שם-רשת\*שם-אתר

Hebrew

Сеть-название\*Сайт-название

Cyrillic

+ Japanese, Korean,  
Devanagari, Thai, Greek

- Short and simple pattern
- Supports writing systems from all around the world
- Easily distinguishable thanks to the Asterisk character

# Frogans addresses: managing confusion

## End-user confusion

between characters in a given writing system



I uppercase i  
1 digit one  
l lowercase L

between characters in different writing systems



a Latin  
а Cyrillic

between characters in a language with two writing systems



宁 calm, peaceful  
寧 repose, serenity  
In simplified and traditional Chinese

- Freedom in choosing network names and site names
- Raises potential security issues for end users
- The most important issue relates to spoofing

# Multiple organizations and standards

ICANN

IANA

ccTLDs

Unicode Consortium

W3C

IETF

ISO

- Extensive work has already been carried out
- Worldwide source of linguistic expertise
- Standards evolve frequently



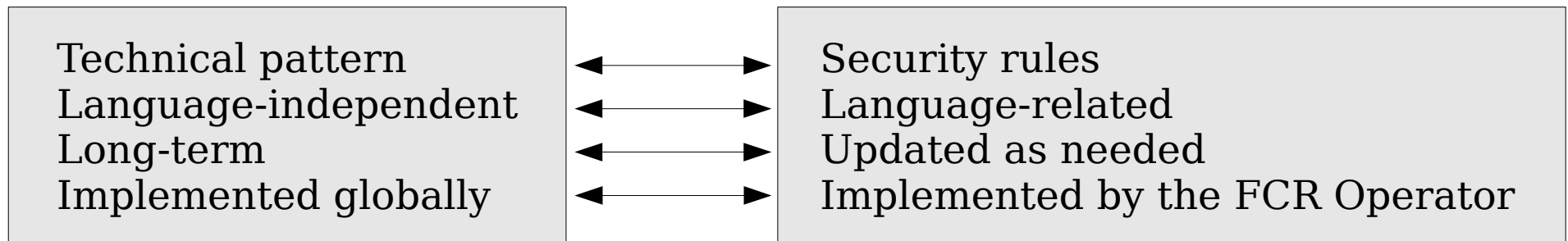
# A two-part model for specifying Frogans addresses

## **IFAP**

**I**nternational  
**F**rogans  
**A**ddress  
**P**attern

## **FACR**

**F**rogans  
**A**ddress  
**C**omposition  
**R**ules



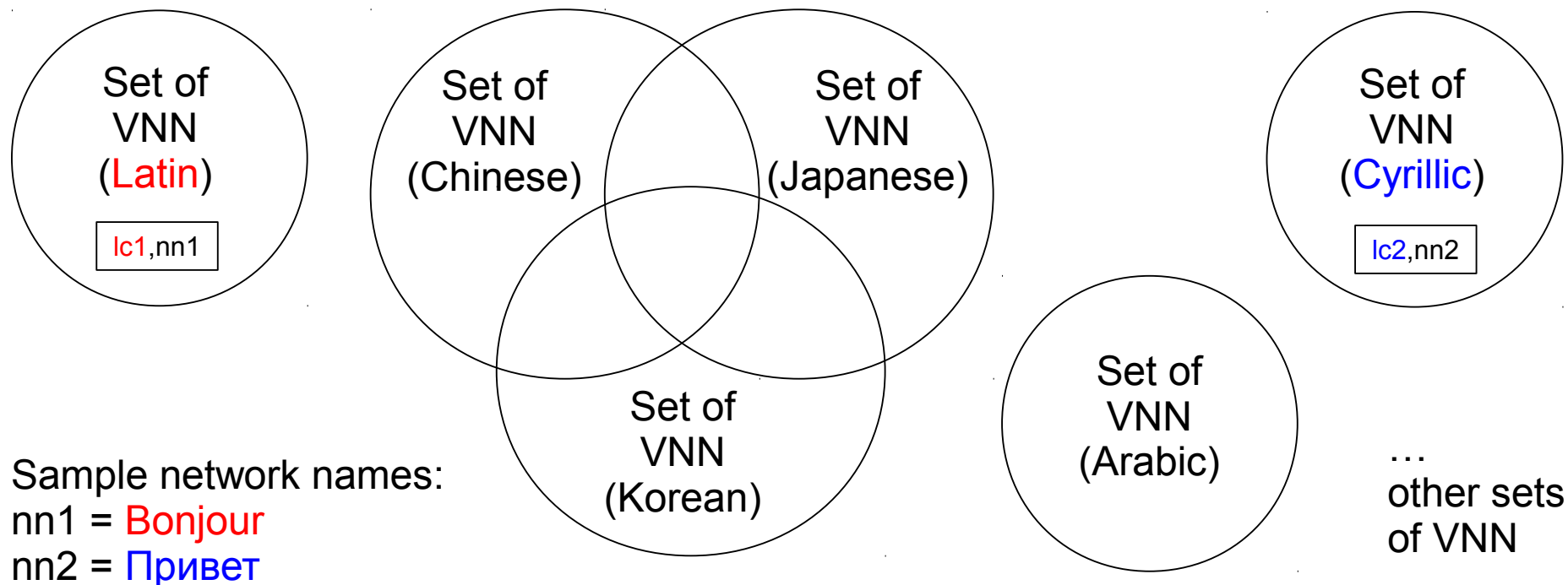
- Called for by the OP3FT Bylaws
- Provides stability for a widely distributed and installed technology
- Provides flexibility and reactivity demanded to solve security issues

# Overview of the FACR specification

1. Introduction
  2. Terminology
  3. The need for **new concepts**
  4. Rules for each **linguistic category**
  5. Valid network names and site names
  6. Generating **convergence forms**
  7. Overlapping linguistic categories
  8. Checking whether two network names are convergent
  9. Checking whether two site names are convergent
  10. Available linguistic categories
  11. Future enhancements
  12. References
- Appendix A. FACR lookup tables
- Appendix B. Pseudocode syntax
- Appendix C. **Assistance in implementing** the specification

- Sets forth the composition rules applicable to Frogans addresses
- Rules apply to Frogans addresses that IFAP compliant
- Designed to meet the clarity and precision of Internet Standards (IETF)

# Applying FACR to register Frogans addresses in the FCR



- Ten linguistic categories available in FACR 1.0
- Three linguistic categories are overlapping: Chinese, Japanese, Korean
- Two kinds of convergence forms: Intra-LC and Inter-LC

# Multi-stakeholder WG development



Universities, language  
or technical experts  
all around the world  
are linked to the OP3FT  
to discuss local issues

**OP3FT  
Working  
Groups**

- OP3FT tasked with instigating worldwide input
- Technical and local issues considered
- Local correspondents where possible

# THANK YOU

福更斯

Frogans

Φρογανς

فروجنز

프로강스

フロガンズ

Φρόγκανς

פרוגנס

फ्रॉगोन्स

ฟรอกแกนส์

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# Links

- Welcome to the Frogans project  
<https://project.frogans.org/>
- The official Web site of the Frogans technology:  
<https://www.frogans.org/>
- International Frogans Address Pattern (IFAP) technical specification:  
<https://www.frogans.org/en/resources/ifap/access.html>
- The UDRP-F and its Rules of procedure:  
<https://www.frogans.org/en/resources/udrpf/access.html>
- The Frogans Technology Conference:  
<https://conference.frogans.org/>
- The Frogans technology mailing lists:  
<https://lists.frogans.org/>